

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 4, 2005, 22:34:01 ; Search time 106.826 Seconds

(without alignments)
252.575 Million cell updates/sec

Title: US-09-724-000A-5

Perfect score: 442

Sequence: 1 MRLVLSLLCTLLCFSPF.....PCKLEPRRLMVPGALPQV 81

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1426032 seqs, 33106140 residues

Total number of hits satisfying chosen parameters: 1426032

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 1000 summaries

Database : Published Applications AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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3	442	100.0	81	11	US-09-833-245-2160
4	442	100.0	81	14	US-10-028-072-150
5	442	100.0	81	14	US-10-140-808-150
6	442	100.0	81	14	US-10-121-049-150
7	442	100.0	81	14	US-10-123-904-150
8	442	100.0	81	14	US-10-140-470-150
9	442	100.0	81	14	US-10-176-746-150
10	442	100.0	81	14	US-10-176-918-150
11	442	100.0	81	14	US-10-176-921-150
12	442	100.0	81	14	US-10-137-865-150
13	442	100.0	81	14	US-10-140-474-150

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15	442	100.0	81	14	US-10-143-114-150	Sequence 150, App
16	442	100.0	81	14	US-10-142-419-150	Sequence 150, App
17	442	100.0	81	14	US-10-123-262-150	Sequence 150, App
18	442	100.0	81	14	US-10-142-423-150	Sequence 150, App
19	442	100.0	81	14	US-10-121-050-150	Sequence 150, App
20	442	100.0	81	14	US-10-141-755-150	Sequence 150, App
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46	442	100.0	81	14	US-10-137-872A-150	Sequence 150, App
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253	442	100.0	81	14	US-10-146-793-150	Sequence 150, App	326	442	100.0	81	14	US-10-153-386-150	Sequence 150, App
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258	442	100.0	81	14	US-10-147-490-150	Sequence 150, App	331	442	100.0	81	14	US-10-157-794-150	Sequence 150, App
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383	442	100.0	81	15	US-10-142-429-150	Sequence 150, App	456	70.5	16.0	523	9	US-09-955-866-10	Sequence 10, App1
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395	442	100.0	81	15	US-10-147-507-150	Sequence 150, App	468	66.5	15.0	211	15	US-10-425-114-68766	Sequence 68766, A
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408	442	100.0	81	15	US-10-158-789-150	Sequence 150, App	481	65.5	14.8	109	14	US-10-175-337-344	Sequence 344, App
409	442	100.0	81	15	US-10-192-011-150	Sequence 150, App	482	65.5	14.8	109	14	US-10-063-516-114	Sequence 114, App
410	442	100.0	81	15	US-10-139-963-150	Sequence 150, App	483	65.5	14.8	109	14	US-10-174-581-344	Sequence 344, App
411	442	100.0	81	15	US-10-140-020-150	Sequence 150, App	484	65.5	14.8	109	14	US-10-176-483-344	Sequence 344, App
412	442	100.0	81	15	US-10-140-023-150	Sequence 150, App	485	65.5	14.8	109	14	US-10-176-749-344	Sequence 344, App
413	442	100.0	81	15	US-10-140-809-150	Sequence 150, App	486	65.5	14.8	109	14	US-10-176-915-344	Sequence 344, App
414	442	100.0	81	15	US-10-140-865-150	Sequence 150, App	487	65.5	14.8	109	14	US-10-176-915-344	Sequence 344, App
415	442	100.0	81	15	US-10-141-701-150	Sequence 150, App	488	65.5	14.8	109	14	US-10-175-338-344	Sequence 344, App
416	442	100.0	81	15	US-10-141-754-150	Sequence 150, App	489	65.5	14.8	109	14	US-10-063-569-114	Sequence 114, App
417	442	100.0	81	15	US-10-141-760-150	Sequence 150, App	490	65.5	14.8	109	14	US-10-063-515-114	Sequence 114, App
418	442	100.0	81	15	US-10-142-425-150	Sequence 150, App	491	65.5	14.8	109	14	US-10-063-512-114	Sequence 114, App
419	442	100.0	81	15	US-10-142-430-150	Sequence 150, App	492	65.5	14.8	109	14	US-10-173-706-344	Sequence 344, App
420	442	100.0	81	15	US-10-146-730-150	Sequence 150, App	493	65.5	14.8	109	14	US-10-175-338-344	Sequence 344, App
421	442	100.0	81	15	US-10-146-732-150	Sequence 150, App	494	65.5	14.8	109	14	US-10-175-338-344	Sequence 344, App
422	442	100.0	81	15	US-10-146-732-150	Sequence 150, App	495	65.5	14.8	109	14	US-10-175-338-344	Sequence 344, App
423	442	100.0	81	15	US-10-158-791-150	Sequence 150, App	496	65.5	14.8	109	14	US-10-176-482-344	Sequence 344, App
424	442	100.0	81	15	US-10-158-791-150	Sequence 150, App	497	65.5	14.8	109	14	US-10-176-483-344	Sequence 344, App
425	442	100.0	81	15	US-10-158-843-150	Sequence 150, App	498	65.5	14.8	109	14	US-10-176-913-344	Sequence 344, App
426	442	100.0	81	15	US-10-157-786-150	Sequence 150, App	499	65.5	14.8	109	14	US-10-180-552-344	Sequence 344, App
427	442	100.0	81	15	US-10-152-405-150	Sequence 150, App	500	65.5	14.8	109	14	US-10-180-552-344	Sequence 344, App
428	442	100.0	81	15	US-10-147-528-150	Sequence 150, App	501	65.5	14.8	109	14	US-10-063-502-114	Sequence 114, App
429	442	100.0	81	15	US-10-128-692A-150	Sequence 150, App	502	65.5	14.8	109	14	US-10-173-700-344	Sequence 344, App
430	442	100.0	81	15	US-10-140-927-150	Sequence 150, App	503	65.5	14.8	109	14	US-10-174-572-344	Sequence 344, App
431	442	100.0	81	15	US-10-147-483-150	Sequence 150, App	504	65.5	14.8	109	14	US-10-174-579-344	Sequence 344, App
432	442	100.0	81	15	US-10-145-127-150	Sequence 150, App	505	65.5	14.8	109	14	US-10-174-582-344	Sequence 344, App
433	442	100.0	81	15	US-10-160-503-150	Sequence 150, App	506	65.5	14.8	109	14	US-10-174-588-344	Sequence 344, App
434	442	100.0	81	15	US-10-143-118-150	Sequence 150, App	507	65.5	14.8	109	14	US-10-175-739-344	Sequence 344, App
435	442	100.0	81	15	US-10-143-993-150	Sequence 150, App	508	65.5	14.8	109	14	US-10-175-739-344	Sequence 344, App
436	442	100.0	81	15	US-10-158-787-150	Sequence 150, App	509	65.5	14.8	109	14	US-10-175-739-344	Sequence 344, App
437	442	100.0	81	15	US-10-140-024-150	Sequence 150, App	510	65.5	14.8	109	14	US-10-176-488-344	Sequence 344, App
438	442	100.0	81	15	US-10-147-536-150	Sequence 150, App	511	65.5	14.8	109	14	US-10-176-488-344	Sequence 344, App
439	442	100.0	81	16	US-10-152-372-150	Sequence 150, App	512	65.5	14.8	109	14	US-10-176-747-344	Sequence 344, App
440	442	100.0	81	17	US-10-931-886-150	Sequence 150, App	513	65.5	14.8	109	14	US-10-176-750-344	Sequence 344, App
441	442	100.0	81	17	US-10-158-788-150	Sequence 150, App	514	65.5	14.8	109	14	US-10-176-885-344	Sequence 344, App
442	442	100.0	81	9	US-09-800-729-184	Sequence 184, App	515	65.5	14.8	109	14	US-10-176-885-344	Sequence 344, App
443	76	17.2	606	16	US-10-437-963-114272	Sequence 114272, App	516	65.5	14.8	109	14	US-10-176-992-344	Sequence 344, App
444	75	17.0	575	16	US-10-437-963-123903	Sequence 123903, App	517	65.5	14.8	109	14	US-10-176-993-344	Sequence 344, App
445	75	17.0	664	16	US-10-437-963-123908	Sequence 123908, App	518	65.5	14.8	109	14	US-10-184-658-344	Sequence 344, App
446	75	17.0	893	16	US-10-437-963-123901	Sequence 123901, App	519	65.5	14.8	109	14	US-10-176-991-344	Sequence 344, App
447	75	17.0	1604	16	US-10-437-963-123906	Sequence 123906, App	520	65.5	14.8	109	14	US-10-063-549-114	Sequence 114, App
448	72	16.3	439	16	US-10-437-963-121484	Sequence 121484, App	521	65.5	14.8	109	14	US-10-173-695-344	Sequence 344, App
449	71	16.1	1161	14	US-10-017-161-2398	Sequence 2398, App	522	65.5	14.8	109	14	US-10-173-697-344	Sequence 344, App
450	71	16.1	1161	15	US-10-292-798-2040	Sequence 2040, App	523	65.5	14.8	109	14	US-10-174-576-344	Sequence 344, App
451	70.5	16.0	254	15	US-10-023-339-39	Sequence 39, App1	524	65.5	14.8	109	14	US-10-174-585-344	Sequence 344, App

525	65.5	14.8	109	14	US-10-174-586-344	Sequence 344, App	598	65.5	14.8	109	14	US-10-187-757-344	Sequence 344, App
526	65.5	14.8	109	14	US-10-175-747-344	Sequence 344, App	599	65.5	14.8	109	14	US-10-187-884-344	Sequence 344, App
527	65.5	14.8	109	14	US-10-176-481-344	Sequence 344, App	600	65.5	14.8	109	14	US-10-188-767-344	Sequence 344, App
528	65.5	14.8	109	14	US-10-176-485-344	Sequence 344, App	601	65.5	14.8	109	14	US-10-188-769-344	Sequence 344, App
529	65.5	14.8	109	14	US-10-176-487-344	Sequence 344, App	602	65.5	14.8	109	14	US-10-188-770-344	Sequence 344, App
530	65.5	14.8	109	14	US-10-176-493-344	Sequence 344, App	603	65.5	14.8	109	14	US-10-188-773-344	Sequence 344, App
531	65.5	14.8	109	14	US-10-176-756-344	Sequence 344, App	604	65.5	14.8	109	14	US-10-188-781-344	Sequence 344, App
532	65.5	14.8	109	14	US-10-176-911-344	Sequence 344, App	605	65.5	14.8	109	14	US-10-194-361-344	Sequence 344, App
533	65.5	14.8	109	14	US-10-176-919-344	Sequence 344, App	606	65.5	14.8	109	14	US-10-194-423-344	Sequence 344, App
534	65.5	14.8	109	14	US-10-176-925-344	Sequence 344, App	607	65.5	14.8	109	14	US-10-195-889-344	Sequence 344, App
535	65.5	14.8	109	14	US-10-176-978-344	Sequence 344, App	608	65.5	14.8	109	14	US-10-195-901-344	Sequence 344, App
536	65.5	14.8	109	14	US-10-179-510-344	Sequence 344, App	609	65.5	14.8	109	14	US-10-195-902-344	Sequence 344, App
537	65.5	14.8	109	14	US-10-180-553-344	Sequence 344, App	610	65.5	14.8	109	14	US-10-196-743-344	Sequence 344, App
538	65.5	14.8	109	14	US-10-180-544-344	Sequence 344, App	611	65.5	14.8	109	14	US-10-196-760-344	Sequence 344, App
539	65.5	14.8	109	14	US-10-180-546-344	Sequence 344, App	612	65.5	14.8	109	14	US-10-196-764-344	Sequence 344, App
540	65.5	14.8	109	14	US-10-180-547-344	Sequence 344, App	613	65.5	14.8	109	14	US-10-197-708-344	Sequence 344, App
541	65.5	14.8	109	14	US-10-180-549-344	Sequence 344, App	614	65.5	14.8	109	14	US-10-176-478-344	Sequence 344, App
542	65.5	14.8	109	14	US-10-180-555-344	Sequence 344, App	615	65.5	14.8	109	14	US-10-176-749-344	Sequence 344, App
543	65.5	14.8	109	14	US-10-180-559-344	Sequence 344, App	616	65.5	14.8	109	14	US-10-176-916-344	Sequence 344, App
544	65.5	14.8	109	14	US-10-181-000-344	Sequence 344, App	617	65.5	14.8	109	14	US-10-179-507-344	Sequence 344, App
545	65.5	14.8	109	14	US-10-183-010-344	Sequence 344, App	618	65.5	14.8	109	14	US-10-179-519-344	Sequence 344, App
546	65.5	14.8	109	14	US-10-183-012-344	Sequence 344, App	619	65.5	14.8	109	14	US-10-179-525-344	Sequence 344, App
547	65.5	14.8	109	14	US-10-184-614-344	Sequence 344, App	620	65.5	14.8	109	14	US-10-180-540-344	Sequence 344, App
548	65.5	14.8	109	14	US-10-184-623-344	Sequence 344, App	621	65.5	14.8	109	14	US-10-180-545-344	Sequence 344, App
549	65.5	14.8	109	14	US-10-184-635-344	Sequence 344, App	622	65.5	14.8	109	14	US-10-180-550-344	Sequence 344, App
550	65.5	14.8	109	14	US-10-184-637-344	Sequence 344, App	623	65.5	14.8	109	14	US-10-183-006-344	Sequence 344, App
551	65.5	14.8	109	14	US-10-184-646-344	Sequence 344, App	624	65.5	14.8	109	14	US-10-183-008-344	Sequence

671	65.5	14.8	109	14	US-10-196-748-344	Sequence 344, App	744	65.5	14.8	109	14	US-10-196-770-344	Sequence 344, App
672	65.5	14.8	109	14	US-10-196-750-344	Sequence 344, App	745	65.5	14.8	109	14	US-10-196-771-344	Sequence 344, App
673	65.5	14.8	109	14	US-10-197-659-344	Sequence 344, App	746	65.5	14.8	109	14	US-10-197-661-344	Sequence 344, App
674	65.5	14.8	109	14	US-10-197-700-344	Sequence 344, App	747	65.5	14.8	109	14	US-10-205-893-344	Sequence 344, App
675	65.5	14.8	109	14	US-10-197-705-344	Sequence 344, App	748	65.5	14.8	109	14	US-10-205-897-344	Sequence 344, App
676	65.5	14.8	109	14	US-10-197-708-344	Sequence 344, App	749	65.5	14.8	109	14	US-10-063-553-114	Sequence 114, App
677	65.5	14.8	109	14	US-10-198-764-344	Sequence 344, App	750	65.5	14.8	109	14	US-10-198-896-344	Sequence 344, App
678	65.5	14.8	109	14	US-10-198-765-344	Sequence 344, App	751	65.5	14.8	109	14	US-10-198-896-344	Sequence 344, App
679	65.5	14.8	109	14	US-10-198-768-344	Sequence 344, App	752	65.5	14.8	109	14	US-10-006-488A-304	Sequence 304, App
680	65.5	14.8	109	14	US-10-198-769-344	Sequence 344, App	753	65.5	14.8	109	14	US-10-183-014-344	Sequence 344, App
681	65.5	14.8	109	14	US-10-199-305-344	Sequence 344, App	754	65.5	14.8	109	14	US-10-187-740-344	Sequence 344, App
682	65.5	14.8	109	14	US-10-199-306-344	Sequence 344, App	755	65.5	14.8	109	14	US-10-187-740-344	Sequence 344, App
683	65.5	14.8	109	14	US-10-199-310-344	Sequence 344, App	756	65.5	14.8	109	14	US-10-187-883-344	Sequence 344, App
684	65.5	14.8	109	14	US-10-199-311-344	Sequence 344, App	757	65.5	14.8	109	14	US-10-194-363-344	Sequence 344, App
685	65.5	14.8	109	14	US-10-199-314-344	Sequence 344, App	758	65.5	14.8	109	14	US-10-194-460-344	Sequence 344, App
686	65.5	14.8	109	14	US-10-199-317-344	Sequence 344, App	759	65.5	14.8	109	14	US-10-194-464-344	Sequence 344, App
687	65.5	14.8	109	14	US-10-199-665-344	Sequence 344, App	760	65.5	14.8	109	14	US-10-194-464-344	Sequence 344, App
688	65.5	14.8	109	14	US-10-199-666-344	Sequence 344, App	761	65.5	14.8	109	14	US-10-196-884-344	Sequence 344, App
689	65.5	14.8	109	14	US-10-199-668-344	Sequence 344, App	762	65.5	14.8	109	14	US-10-196-884-344	Sequence 344, App
690	65.5	14.8	109	14	US-10-201-534-344	Sequence 344, App	763	65.5	14.8	109	14	US-10-196-755-344	Sequence 344, App
691	65.5	14.8	109	14	US-10-201-770-344	Sequence 344, App	764	65.5	14.8	109	14	US-10-197-710-344	Sequence 344, App
692	65.5	14.8	109	14	US-10-201-855-344	Sequence 344, App	765	65.5	14.8	109	14	US-10-197-710-344	Sequence 344, App
693	65.5	14.8	109	14	US-10-201-856-344	Sequence 344, App	766	65.5	14.8	109	14	US-10-198-758-344	Sequence 344, App
694	65.5	14.8	109	14	US-10-202-459-344	Sequence 344, App	767	65.5	14.8	109	14	US-10-198-766-344	Sequence 344, App
695	65.5	14.8	109	14	US-10-202-470-344	Sequence 344, App	768	65.5	14.8	109	14	US-10-199-304-344	Sequence 344, App
696	65.5	14.8	109	14	US-10-202-476-344	Sequence 344, App	769	65.5	14.8	109	14	US-10-199-309-344	Sequence 344, App
697	65.5	14.8	109	14	US-10-202-934-344	Sequence 344, App	770	65.5	14.8	109	14	US-10-199-313-344	Sequence

817	65.5	14.8	109	14	US-10-197-692-344	Sequence 344, App	890	65.5	14.8	109	14	US-10-174-578-344	Sequence 344, App
818	65.5	14.8	109	14	US-10-197-693-344	Sequence 344, App	891	65.5	14.8	109	14	US-10-175-741-344	Sequence 344, App
819	65.5	14.8	109	14	US-10-197-696-344	Sequence 344, App	892	65.5	14.8	109	14	US-10-175-750-344	Sequence 344, App
820	65.5	14.8	109	14	US-10-197-698-344	Sequence 344, App	893	65.5	14.8	109	14	US-10-176-986-344	Sequence 344, App
821	65.5	14.8	109	14	US-10-197-703-344	Sequence 344, App	894	65.5	14.8	109	14	US-10-184-661-344	Sequence 344, App
822	65.5	14.8	109	14	US-10-197-711-344	Sequence 344, App	895	65.5	14.8	109	14	US-10-187-888-344	Sequence 344, App
823	65.5	14.8	109	14	US-10-198-757-344	Sequence 344, App	896	65.5	14.8	109	14	US-10-194-360-344	Sequence 344, App
824	65.5	14.8	109	14	US-10-198-761-344	Sequence 344, App	897	65.5	14.8	109	14	US-10-194-365-344	Sequence 344, App
825	65.5	14.8	109	14	US-10-198-762-344	Sequence 344, App	898	65.5	14.8	109	14	US-10-195-895-344	Sequence 344, App
826	65.5	14.8	109	14	US-10-198-763-344	Sequence 344, App	899	65.5	14.8	109	14	US-10-195-892-344	Sequence 344, App
827	65.5	14.8	109	14	US-10-198-767-344	Sequence 344, App	900	65.5	14.8	109	14	US-10-201-323-344	Sequence 344, App
828	65.5	14.8	109	14	US-10-199-301-344	Sequence 344, App	901	65.5	14.8	109	14	US-10-205-510-344	Sequence 344, App
829	65.5	14.8	109	14	US-10-199-307-344	Sequence 344, App	902	65.5	14.8	109	14	US-10-205-891-344	Sequence 344, App
830	65.5	14.8	109	14	US-10-199-315-344	Sequence 344, App	903	65.5	14.8	109	14	US-10-206-917-344	Sequence 344, App
831	65.5	14.8	109	14	US-10-199-312-344	Sequence 344, App	904	65.5	14.8	109	14	US-10-207-923-344	Sequence 344, App
832	65.5	14.8	109	14	US-10-199-316-344	Sequence 344, App	905	65.5	14.8	109	14	US-10-207-924-344	Sequence 344, App
833	65.5	14.8	109	14	US-10-199-457-344	Sequence 344, App	906	65.5	14.8	109	14	US-10-208-028-344	Sequence 344, App
834	65.5	14.8	109	14	US-10-199-459-344	Sequence 344, App	907	65.5	14.8	109	14	US-10-063-538-114	Sequence 114, App
835	65.5	14.8	109	14	US-10-199-460-344	Sequence 344, App	908	65.5	14.8	109	14	US-10-012-121A-304	Sequence 304, App
836	65.5	14.8	109	14	US-10-199-461-344	Sequence 344, App	909	65.5	14.8	109	14	US-10-205-904-344	Sequence 344, App
837	65.5	14.8	109	14	US-10-199-667-344	Sequence 344, App	910	65.5	14.8	109	14	US-10-176-753-344	Sequence 344, App
838	65.5	14.8	109	14	US-10-199-673-344	Sequence 344, App	911	65.5	14.8	109	14	US-10-180-555-344	Sequence 344, App
839	65.5	14.8	109	14	US-10-201-321-344	Sequence 344, App	912	65.5	14.8	109	14	US-10-201-062-344	Sequence 344, App
840	65.5	14.8	109	14	US-10-201-322-344	Sequence 344, App	913	65.5	14.8	109	14	US-10-121-067-344	Sequence 344, App
841	65.5	14.8	109	14	US-10-201-326-344	Sequence 344, App	914	65.5	14.8	109	14	US-10-063-599-114	Sequence 114, App
842	65.5	14.8	109	14	US-10-201-532-344	Sequence 344, App	915	65.5	14.8	109	14	US-10-006-116A-304	Sequence 304, App
843	65.5	14.8	109	14	US-10-201-533-344	Sequence 344, App	916	65.5	14.8	109	14	US-10-013-913A-304	

963 65.5 14.8 109 14 US-10-006-063A-304 Sequence 304, App
964 65.5 14.8 109 14 US-10-063-585-114 Sequence 114, App
965 65.5 14.8 109 14 US-10-020-063A-304 Sequence 304, App
966 65.5 14.8 109 14 US-10-184-613-344 Sequence 344, App
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968 65.5 14.8 109 14 US-10-206-907-344 Sequence 344, App
969 65.5 14.8 109 14 US-10-015-391A-304 Sequence 304, App
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971 65.5 14.8 109 14 US-10-187-755-344 Sequence 344, App
972 65.5 14.8 109 14 US-10-017-407A-304 Sequence 304, App
973 65.5 14.8 109 14 US-10-011-833A-304 Sequence 304, App
974 65.5 14.8 109 14 US-10-063-588-114 Sequence 114, App
975 65.5 14.8 109 14 US-10-006-041A-304 Sequence 304, App
976 65.5 14.8 109 14 US-10-015-822A-304 Sequence 304, App
977 65.5 14.8 109 14 US-10-015-387A-304 Sequence 304, App
978 65.5 14.8 109 14 US-10-063-735-114 Sequence 114, App
979 65.5 14.8 109 14 US-10-006-130A-304 Sequence 304, App
980 65.5 14.8 109 14 US-10-199-672-344 Sequence 344, App
981 65.5 14.8 109 14 US-10-006-172A-304 Sequence 304, App
982 65.5 14.8 109 14 US-10-187-749-344 Sequence 344, App
983 65.5 14.8 109 14 US-10-194-457-344 Sequence 344, App
984 65.5 14.8 109 14 US-10-184-642-344 Sequence 344, App
985 65.5 14.8 109 14 US-10-196-747-344 Sequence 344, App
986 65.5 14.8 109 14 US-10-017-253A-304 Sequence 304, App
987 65.5 14.8 109 14 US-10-173-689-344 Sequence 344, App
988 65.5 14.8 109 14 US-10-173-690-344 Sequence 344, App
989 65.5 14.8 109 14 US-10-173-691-344 Sequence 344, App
990 65.5 14.8 109 14 US-10-173-694-344 Sequence 344, App
991 65.5 14.8 109 14 US-10-173-698-344 Sequence 344, App
992 65.5 14.8 109 14 US-10-173-699-344 Sequence 344, App
993 65.5 14.8 109 14 US-10-173-707-344 Sequence 344, App
994 65.5 14.8 109 14 US-10-174-569-344 Sequence 344, App
995 65.5 14.8 109 14 US-10-174-583-344 Sequence 344, App
996 65.5 14.8 109 14 US-10-174-587-344 Sequence 344, App
997 65.5 14.8 109 14 US-10-174-589-344 Sequence 344, App
998 65.5 14.8 109 14 US-10-174-591-344 Sequence 344, App
999 65.5 14.8 109 14 US-10-175-736-344 Sequence 344, App
1000 65.5 14.8 109 14 US-10-175-742-344 Sequence 344, App

ALIGNMENTS

RESULT 1
US-09-800-729-96
; Sequence 96, Application US/09800729
; Patent No. US20020068319A1
; GENERAL INFORMATION:
; APPLICANT: NI et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044P1
; CURRENT APPLICATION NUMBER: US/09/800,729
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 96
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-96

Query Match 100.0%; Score 442; DB 9; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTLKGHHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTLKGHHVRLC 60

Qy 61 KPCTLEPEPRILWVPGALPOV 81
Db 61 KPCTLEPEPRILWVPGALPOV 81

RESULT 2
US-09-981-353-178
; Sequence 178, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Laeek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; PRIOR FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 178
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1736965CD1
US-09-981-353-178

Query Match 100.0%; Score 442; DB 9; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTLKGHHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTLKGHHVRLC 60
Qy 61 KPCTLEPEPRILWVPGALPOV 81
Db 61 KPCTLEPEPRILWVPGALPOV 81

RESULT 3
US-09-833-245-2160
; Sequence 2160, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PFS46PCT
; CURRENT APPLICATION NUMBER: US/09/833,245
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229,358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256,931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199,384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2160
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2160

Query Match 100.0%; Score 442; DB 11; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTLKGHHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTLKGHHVRLC 60
Qy 61 KPCTLEPEPRILWVPGALPOV 81

Db 61 KRCKLEPERLWTVGALPQV 81

RESULT 4
US-10-028-072-150
Sequence 150, Application US/10028072
Publication No. US20030004311A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang
TITLE OF INVENTION:
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/028,072
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059636
PRIOR FILING DATE: 1997-09-24
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062285
PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062814
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/062816
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063045
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063082
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/063127
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063227
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063329
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063550

PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063561
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063704
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063733
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063735
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063738
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063755
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064248
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/064809
PRIOR FILING DATE: 1997-11-07
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065846
PRIOR FILING DATE: 1997-11-17
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/066453
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066511
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/069212
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069278
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069334
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069694
PRIOR FILING DATE: 1997-12-16
PRIOR APPLICATION NUMBER: 60/072320
PRIOR FILING DATE: 1998-01-23
PRIOR APPLICATION NUMBER: 60/073612
PRIOR FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: 60/074086
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/074092
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081695
PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081818
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082999
PRIOR FILING DATE: 1998-04-24
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29

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; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085149
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086414
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/086430
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088730
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088741
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 19/98-06-11
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
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; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
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; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090538
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07

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Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches      81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 MRLVLSLLCILLCSIFSTGKRRPAKAWSGRRRLCCHRVSPNSTNLKGHHVRLC 60
Db      1 MRLVLSLLCILLCSIFSTGKRRPAKAWSGRRRLCCHRVSPNSTNLKGHHVRLC 60
Qy      61 KPCKLEPPRLMVVPGALPOV 81
Db      61 KPCKLEPPRLMVVPGALPOV 81

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RESULT 5
US-10-140-808-150
; Sequence 150; Application US/10140808
; Publication No. US20030017563A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Inc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C182
; CURRENT APPLICATION NUMBER: US/10/140,808
; CURRENT FILING DATE: 2002-05-07
; PRIOR Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-808-150

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Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches      81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 MRLVLSLLCILLCSIFSTGKRRPAKAWSGRRRLCCHRVSPNSTNLKGHHVRLC 60
Db      1 MRLVLSLLCILLCSIFSTGKRRPAKAWSGRRRLCCHRVSPNSTNLKGHHVRLC 60
Qy      61 KPCKLEPPRLMVVPGALPOV 81
Db      61 KPCKLEPPRLMVVPGALPOV 81

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RESULT 6
US-10-121-049-150
; Sequence 150; Application US/10121049
; Publication No. US2003002239A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Inc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C182
; CURRENT APPLICATION NUMBER: US/10/121,049
; CURRENT FILING DATE: 2002-05-07
; PRIOR Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-049-150

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FILE REFERENCE: P3330R1C17
CURRENT APPLICATION NUMBER: US/10/121,049
CURRENT FILING DATE: 2002-04-12
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-049-150
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Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 MRLVLSILLCILLCFSIFSTEGKRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
    |||||||
QY 61 KPCKLEPRLWVPGALPOV 81
    |||||||
DB 61 KPCKLEPRLWVPGALPOV 81
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RESULT 7

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US-10-123-904-150
Sequence 150, Application US/10123904
Publication No. US20030022328A1
GENERAL INFORMATION:
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```
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C54
CURRENT APPLICATION NUMBER: US/10/123,904
CURRENT FILING DATE: 2002-04-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-904-150
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Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 MRLVLSILLCILLCFSIFSTEGKRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
    |||||||
DB 1 MRLVLSILLCILLCFSIFSTEGKRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
    |||||||
QY 61 KPCKLEPRLWVPGALPOV 81
    |||||||
DB 61 KPCKLEPRLWVPGALPOV 81
    |||||||
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RESULT 8

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US-10-140-470-150
Sequence 150, Application US/10140470
Publication No. US20030022331A1
GENERAL INFORMATION:
```

```
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C160
CURRENT APPLICATION NUMBER: US/10/140,470
CURRENT FILING DATE: 2002-05-06
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-470-150
```

```
Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 MRLVLSILLCILLCFSIFSTEGKRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
    |||||||
DB 1 MRLVLSILLCILLCFSIFSTEGKRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
    |||||||
QY 61 KPCKLEPRLWVPGALPOV 81
    |||||||
DB 61 KPCKLEPRLWVPGALPOV 81
    |||||||
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RESULT 9

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US-10-175-746-150
Sequence 150, Application US/10175746
Publication No. US20030027270A1
GENERAL INFORMATION:
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APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C353
CURRENT APPLICATION NUMBER: US/10/175,746
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;; CURRENT FILING DATE: 2002-06-19
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-175-746-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

Qy 61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 10
US-10-176-918-150
; Sequence 150, Application US/10176918
; Publication No. US20030027275A1
; GENERAL INFORMATION:

;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; TITLE OF INVENTION: ACIDS ENCODING THE SAME
;; FILE REFERENCE: P3330R1C382
;; CURRENT APPLICATION NUMBER: US/10/176, 918
;; CURRENT FILING DATE: 2002-06-20
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-176-918-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

Qy 61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 11
US-10-176-921-150
; Sequence 150, Application US/10176921

;; Publication No. US20030027276A1
;; GENERAL INFORMATION:

;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; TITLE OF INVENTION: ACIDS ENCODING THE SAME
;; FILE REFERENCE: P3330R1C288
;; CURRENT APPLICATION NUMBER: US/10/176, 921
;; CURRENT FILING DATE: 2002-06-20
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-176-921-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

Qy 61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 12

US-10-137-865-150
; Sequence 150, Application US/10137865
; Publication No. US20030032155A1
; GENERAL INFORMATION:

;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; TITLE OF INVENTION: ACIDS ENCODING THE SAME
;; FILE REFERENCE: P3330R1C154
;; CURRENT APPLICATION NUMBER: US/10/137, 865
;; CURRENT FILING DATE: 2002-05-03
;; Prior Application removed - See Palm or File Wrapper

INDIRECT INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria A.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
APPLICANT: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME
TITLE OF INVENTION: P3330R1C211
FILE REFERENCE: P3330R1C211
CURRENT FILING DATE: 2002-05-09
CURRENT Application removed - See Palm or File Wrapper
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150

LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-143-114-150

Query Match
Best Local Similarity 100.0%; Score 442; DB 14; Length 81;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRLVLSLCLLCIFSTEGRRPAKWSGRTRLCCHRVSPNSTNLKGHVRLC 60
DB 1 MRLVLSLCLLCIFSTEGRRPAKWSGRTRLCCHRVSPNSTNLKGHVRLC 60
KPKCLEPRLMWPVPGALPOV 81
61 KPCXLEPRLMWPVPGALPOV 81

RESULT 16
US-10-142-419-150
Sequence 150, Application US/10142419
GENERAL INFORMATION: US2003004945A1
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey E.
APPLICANT: Gurney, Austin J.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C24
CURRENT APPLICATION NUMBER: US/10/142,419
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-142-419-150

Query Match
Best Local Similarity 100.0%; Score 442; DB 14; Length 81;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRLVLSLCLLCIFSTEGRRPAKWSGRTRLCCHRVSPNSTNLKGHVRLC 60
DB 1 MRLVLSLCLLCIFSTEGRRPAKWSGRTRLCCHRVSPNSTNLKGHVRLC 60
KPKCLEPRLMWPVPGALPOV 81
61 KPCXLEPRLMWPVPGALPOV 81

RESULT 17
US-10-123-262-150
Sequence 150, Application US/10123262
GENERAL INFORMATION: US20030049816A1
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen

APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey E.
APPLICANT: Gurney, Austin J.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C38
CURRENT APPLICATION NUMBER: US/10/123,262
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-262-150

Query Match
Best Local Similarity 100.0%; Score 442; DB 14; Length 81;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRLVLSLCLLCIFSTEGRRPAKWSGRTRLCCHRVSPNSTNLKGHVRLC 60
DB 1 MRLVLSLCLLCIFSTEGRRPAKWSGRTRLCCHRVSPNSTNLKGHVRLC 60
KPKCLEPRLMWPVPGALPOV 81
61 KPCXLEPRLMWPVPGALPOV 81

RESULT 18
US-10-142-423-150
Sequence 150, Application US/10142423
GENERAL INFORMATION: US20030049817A1
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey E.
APPLICANT: Gurney, Austin J.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C249
CURRENT APPLICATION NUMBER: US/10/142,423
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT

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; ORGANISM: Homo Sapien
US-10-142-423-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRLVLSLLCTLLLCFSIFSTEGKRRPAKMSGRRTRLCCHRVSPNSTNKGHHVRLC 60
    |||||
DB 1 MRLVLSLLCTLLLCFSIFSTEGKRRPAKMSGRRTRLCCHRVSPNSTNKGHHVRLC 60

OY 61 KPCKLEPPRLMVVPGALPOV 81
    |||||
DB 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 19
US-10-121-050-150
; Sequence 150, Application US/10121050
; Publication No. US20030054516A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C20
; CURRENT APPLICATION NUMBER: US/10/121,050
; CURRENT FILING DATE: 2002-04-12
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-050-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRLVLSLLCTLLLCFSIFSTEGKRRPAKMSGRRTRLCCHRVSPNSTNKGHHVRLC 60
    |||||
DB 1 MRLVLSLLCTLLLCFSIFSTEGKRRPAKMSGRRTRLCCHRVSPNSTNKGHHVRLC 60

OY 61 KPCKLEPPRLMVVPGALPOV 81
    |||||
DB 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 20
US-10-141-755-150
; Sequence 150, Application US/10141755
; Publication No. US20030054517A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C245
; CURRENT APPLICATION NUMBER: US/10/141,755
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-141-755-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRLVLSLLCTLLLCFSIFSTEGKRRPAKMSGRRTRLCCHRVSPNSTNKGHHVRLC 60
    |||||
DB 1 MRLVLSLLCTLLLCFSIFSTEGKRRPAKMSGRRTRLCCHRVSPNSTNKGHHVRLC 60

OY 61 KPCKLEPPRLMVVPGALPOV 81
    |||||
DB 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 21
US-10-143-032-150
; Sequence 150, Application US/10143032
; Publication No. US20030059909A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C245
; CURRENT APPLICATION NUMBER: US/10/143,032
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-143-032-150
```

Query March 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLLCLLCLFSPFTEGRRPAKMSGRRTLCCHRVSPNSTLKGHHVLC 60
1 MRLVLSLLCLLCLFSPFTEGRRPAKMSGRRTLCCHRVSPNSTLKGHHVLC 60
Db

QY 61 KPCKLEPRRLWVVGALPOV 81
61 KPCKLEPRRLWVVGALPOV 81
Db

RESULT 22
US-10-123-108-150
Sequence 150, Application US/10123108
Publication No. US20030068793A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C16
CURRENT APPLICATION NUMBER: US/10/123,108
CURRENT FILING DATE: 2002-04-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059836
PRIOR FILING DATE: 1997-09-24
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062285
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/062814
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/062816
PRIOR FILING DATE: 1997-10-24

PRIOR APPLICATION NUMBER: 60/063045
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063082
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/063127
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063327
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063329
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063550
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063561
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063704
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063733
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063735
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063738
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063755
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064248
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/064809
PRIOR FILING DATE: 1997-11-07
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065846
PRIOR FILING DATE: 1997-11-17
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/066453
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066511
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/069212
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069278
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069334
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069694
PRIOR FILING DATE: 1997-12-16
PRIOR APPLICATION NUMBER: 60/072320
PRIOR FILING DATE: 1998-01-23
PRIOR APPLICATION NUMBER: 60/073612
PRIOR FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: 60/074086
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/074092
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081695

PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081818
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082999
PRIOR FILING DATE: 1998-04-24
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085149
PRIOR FILING DATE: 1998-05-12
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/086414
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/086430
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088730
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088741
PRIOR FILING DATE: 1998-06-10
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PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090538
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091982

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;

Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRLIVSSLLCTILLCSIFSTEGRRRPAKWSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLIVSSLLCTILLCSIFSTEGRRRPAKWSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Qy 61 KPCKLEPEPRMLVWPVGPALPOV 81
Db 61 KPCKLEPEPRMLVWPVGPALPOV 81

RESULT 23
US-10-123-236-150
; Sequence 150, Application US/10123236
; Publication No. US20030068795A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C33
; CURRENT APPLICATION NUMBER: US/10/123.236
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-123-236-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRLIVSSLLCTILLCSIFSTEGRRRPAKWSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLIVSSLLCTILLCSIFSTEGRRRPAKWSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Qy 61 KPCKLEPEPRMLVWPVGPALPOV 81
Db 61 KPCKLEPEPRMLVWPVGPALPOV 81

RESULT 24
US-10-123-261-150
; Sequence 150, Application US/10123261
; Publication No. US20030068796A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

```

; APPLICANT: Gurney,Austin L.
; APPLICANT: Sherwood,Steven
; APPLICANT: Smith,Victoria
; APPLICANT: Stewart,Timothy A.
; APPLICANT: Tumas,Daniel
; APPLICANT: Watanabe,Colin K
; APPLICANT: Wood,William
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C42
; CURRENT APPLICATION NUMBER: US/10/123,261
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-261-150

```

```

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 MRLVLSLLCILLCFSPSTEGKRRPAKAWSGRRTRLCCHRVSPNSNTLKGHHVRLC 60
Db      1 MRLVLSLLCILLCFSPSTEGKRRPAKAWSGRRTRLCCHRVSPNSNTLKGHHVRLC 60
Qy      61 KPCKLEPEPRLMVVPGLPGV 81
Db      61 KPCKLEPEPRLMVVPGLPGV 81

```

```

RESULT 25
US-10-140-921-150
; Sequence 150, Application US/10140921
; Publication No. US20030068797A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C175
; CURRENT APPLICATION NUMBER: US/10/140,921
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-921-150

```

```

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 MRLVLSLLCILLCFSPSTEGKRRPAKAWSGRRTRLCCHRVSPNSNTLKGHHVRLC 60
Db      1 MRLVLSLLCILLCFSPSTEGKRRPAKAWSGRRTRLCCHRVSPNSNTLKGHHVRLC 60
Qy      61 KPCKLEPEPRLMVVPGLPGV 81
Db      61 KPCKLEPEPRLMVVPGLPGV 81

```

```

RESULT 26
US-10-140-928-150

```

```

; Sequence 150, Application US/10140928
; Publication No. US20030068798A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C186
; CURRENT APPLICATION NUMBER: US/10/140,928
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-928-150

```

```

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 MRLVLSLLCILLCFSPSTEGKRRPAKAWSGRRTRLCCHRVSPNSNTLKGHHVRLC 60
Db      1 MRLVLSLLCILLCFSPSTEGKRRPAKAWSGRRTRLCCHRVSPNSNTLKGHHVRLC 60
Qy      61 KPCKLEPEPRLMVVPGLPGV 81
Db      61 KPCKLEPEPRLMVVPGLPGV 81

```

```

RESULT 27
US-10-121-045-150

```

```

; Sequence 150, Application US/10121045
; Publication No. US20030073210A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven

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APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tunas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C8
CURRENT APPLICATION NUMBER: US/10/121.045
CURRENT FILING DATE: 2002-04-11
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-045-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLILLCILLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLVLSLILLCILLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60

Qy 61 KPCKLEBPRLMVVPGALPOV 81
Db 61 KPCKLEBPRLMVVPGALPOV 81

RESULT 28
US-10-123-292-150
Sequence 150, Application US/10123292
Publication No. US2003007321A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tunas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C32
CURRENT APPLICATION NUMBER: US/10/123.292
CURRENT FILING DATE: 2002-04-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-292-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLILLCILLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLVLSLILLCILLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60

Db 1 MRLVLSLILLCILLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Qy 61 KPCKLEBPRLMVVPGALPOV 81
Db 61 KPCKLEBPRLMVVPGALPOV 81

RESULT 29
US-10-123-903-150
Sequence 150, Application US/10123903
Publication No. US2003007321A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tunas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C51
CURRENT APPLICATION NUMBER: US/10/123.903
CURRENT FILING DATE: 2002-04-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-903-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLILLCILLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLVLSLILLCILLCFSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60

Qy 61 KPCKLEBPRLMVVPGALPOV 81
Db 61 KPCKLEBPRLMVVPGALPOV 81

RESULT 30

US-10-124-819-150
Sequence 150, Application US/10124819
Publication No. US2003007321A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.

```
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P333081C65
; CURRENT APPLICATION NUMBER: US/10/124, 819
; CURRENT FILING DATE: 2002-04-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-124-819-150
```

```
Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy 1 MRLIVSSLLCITLLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTLTKGHVRLC 60
Db 1 MRLIVSSLLCITLLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTLTKGHVRLC 60
```

```
Oy 61 KPCKLEPEPRLMVVPGLPQV 81
Db 61 KPCKLEPEPRLMVVPGLPQV 81
```

```
RESULT 31
US-10-124-822-150
; Sequence 150, Application US/10124822
; Publication No. US2003007321A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P333081C64
; CURRENT APPLICATION NUMBER: US/10/124, 822
; CURRENT FILING DATE: 2002-04-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-124-822-150
```

```
Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy 1 MRLIVSSLLCITLLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTLTKGHVRLC 60
Db 1 MRLIVSSLLCITLLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTLTKGHVRLC 60
```

```
Oy 61 KPCKLEPEPRLMVVPGLPQV 81
Db 61 KPCKLEPEPRLMVVPGLPQV 81
```

```
RESULT 32
US-10-140-925-150
; Sequence 150, Application US/10140925
; Publication No. US2003007321A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P333081C187
; CURRENT APPLICATION NUMBER: US/10/140, 925
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-925-150
```

```
Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy 1 MRLIVSSLLCITLLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTLTKGHVRLC 60
Db 1 MRLIVSSLLCITLLCSIFSTEGKRRPAKWSGRRTRLCCHRVSPNSTLTKGHVRLC 60
```

```
Oy 61 KPCKLEPEPRLMVVPGLPQV 81
Db 61 KPCKLEPEPRLMVVPGLPQV 81
```

```
RESULT 33
US-10-160-498-150
; Sequence 150, Application US/10160498
; Publication No. US2003007321A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerltisen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
```

```
APPLICANT: Wood,William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C451
CURRENT FILING DATE: 2002-05-30
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-160-498-150

Query Match
Best Local Similarity 100.0%; Score 442; DB 14; Length 81;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLIVSSLLCILLCSIFSTEGRRPAKWSGRRTRLCHRVSPNSTLTKGHVRLC 60
DB 1 MRLIVSSLLCILLCSIFSTEGRRPAKWSGRRTRLCHRVSPNSTLTKGHVRLC 60
QY 61 KPCKLBEPRRLMVVPGALPOV 81
DB 61 KPCKLBEPRRLMVVPGALPOV 81

RESULT 34
US-10-124-824-150
Sequence 150, Application US/10124824
Publication No. US2003007659A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gettitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C68
CURRENT FILING DATE: 2002-04-17
Prior Application removed - See File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-124-824-150

Query Match
Best Local Similarity 100.0%; Score 442; DB 14; Length 81;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLIVSSLLCILLCSIFSTEGRRPAKWSGRRTRLCHRVSPNSTLTKGHVRLC 60
DB 1 MRLIVSSLLCILLCSIFSTEGRRPAKWSGRRTRLCHRVSPNSTLTKGHVRLC 60
QY 61 KPCKLBEPRRLMVVPGALPOV 81
DB 61 KPCKLBEPRRLMVVPGALPOV 81
```

```
DB 61 KPCKLBEPRRLMVVPGALPOV 81

RESULT 35
US-10-127-825A-150
Sequence 150, Application US/10127825A
Publication No. US2003007710A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gettitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C84
CURRENT FILING DATE: 2002-04-22
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-825A-150

Query Match
Best Local Similarity 100.0%; Score 442; DB 14; Length 81;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLIVSSLLCILLCSIFSTEGRRPAKWSGRRTRLCHRVSPNSTLTKGHVRLC 60
DB 1 MRLIVSSLLCILLCSIFSTEGRRPAKWSGRRTRLCHRVSPNSTLTKGHVRLC 60
QY 61 KPCKLBEPRRLMVVPGALPOV 81
DB 61 KPCKLBEPRRLMVVPGALPOV 81

RESULT 36
US-10-127-829A-150
```

```
; Sequence 150, Application US/10127829A
; Publication No. US2003007771A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C85
; CURRENT APPLICATION NUMBER: US/10/127, 829A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-829A-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLIVSSLCIILLCSIFSTEGKRRPAKAWGGRTRLCCHRVSPNSNTLKGHHVRLC 60
DB 1 MRLIVSSLCIILLCSIFSTEGKRRPAKAWGGRTRLCCHRVSPNSNTLKGHHVRLC 60

QY 61 KPCKLEPEPRRLMVVPGALPOV 81
DB 61 KPCKLEPEPRRLMVVPGALPOV 81

RESULT 37
US-10-127-835A-150
; Sequence 150, Application US/10127835A
; Publication No. US2003007771A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
```

```
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C102
; CURRENT APPLICATION NUMBER: US/10/127, 835A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-835A-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLIVSSLCIILLCSIFSTEGKRRPAKAWGGRTRLCCHRVSPNSNTLKGHHVRLC 60
DB 1 MRLIVSSLCIILLCSIFSTEGKRRPAKAWGGRTRLCCHRVSPNSNTLKGHHVRLC 60

QY 61 KPCKLEPEPRRLMVVPGALPOV 81
DB 61 KPCKLEPEPRRLMVVPGALPOV 81

RESULT 38
US-10-127-839A-150
; Sequence 150, Application US/10127839A
; Publication No. US2003007771A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
```

```
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C105
;; CURRENT APPLICATION NUMBER: US/10/127,839A
;; PRIOR FILING DATE: 2002-10-15
;; PRIOR APPLICATION NUMBER: 60/049911
;; PRIOR FILING DATE: 1997-06-18
;; PRIOR APPLICATION NUMBER: 60/056974
;; PRIOR FILING DATE: 1997-08-26
;; PRIOR APPLICATION NUMBER: 60/059113
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059115
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059117
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059122
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059184
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059263
;; PRIOR FILING DATE: 1997-09-18
;; PRIOR APPLICATION NUMBER: 60/059352
;; PRIOR FILING DATE: 1997-09-19
;; PRIOR APPLICATION NUMBER: 60/059588
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-127-839A-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MRLVLSLCTLLCFSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTLKGHWRLC 60
Db 1 MRLVLSLCTLLCFSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTLKGHWRLC 60

Cy 61 KPCKLEPEPRRLMVVPGALPOV 81
Db 61 KPCKLEPEPRRLMVVPGALPOV 81

RESULT 39
US-10-127-901A-150
; Sequence 150, Application US/10127901A
; Publication No. US2003007714N1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Laureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
```

```
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C86
;; CURRENT APPLICATION NUMBER: US/10/127,901A
;; PRIOR FILING DATE: 2002-10-15
;; PRIOR APPLICATION NUMBER: 60/049911
;; PRIOR FILING DATE: 1997-06-18
;; PRIOR APPLICATION NUMBER: 60/056974
;; PRIOR FILING DATE: 1997-08-26
;; PRIOR APPLICATION NUMBER: 60/059113
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059115
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059117
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059122
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059184
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059263
;; PRIOR FILING DATE: 1997-09-18
;; PRIOR APPLICATION NUMBER: 60/059352
;; PRIOR FILING DATE: 1997-09-19
;; PRIOR APPLICATION NUMBER: 60/059588
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-127-901A-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MRLVLSLCTLLCFSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTLKGHWRLC 60
Db 1 MRLVLSLCTLLCFSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTLKGHWRLC 60

Cy 61 KPCKLEPEPRRLMVVPGALPOV 81
Db 61 KPCKLEPEPRRLMVVPGALPOV 81

RESULT 40
US-10-128-693A-150
; Sequence 150, Application US/10128693A
; Publication No. US2003007715A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Laureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
```

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C120
CURRENT APPLICATION NUMBER: US/10/128,693A
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-128-693A-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRLVLSLILCLILCFISFSTEGRRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLILCLILCFISFSTEGRRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Qy 61 KPCKLEPEPRRLWVPGALPQV 81
Db 61 KPCKLEPEPRRLWVPGALPQV 81

RESULT 41
US-10-131-813A-150
Sequence 150, Application US/10131813A
Publication No. US2003007716A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C139
CURRENT APPLICATION NUMBER: US/10/131,813A
CURRENT FILING DATE: 2002-04-24

PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-813A-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRLVLSLILCLILCFISFSTEGRRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLILCLILCFISFSTEGRRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Qy 61 KPCKLEPEPRRLWVPGALPQV 81
Db 61 KPCKLEPEPRRLWVPGALPQV 81

RESULT 42
US-10-131-818A-150
Sequence 150, Application US/10131818A
Publication No. US2003007717A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C141
CURRENT APPLICATION NUMBER: US/10/131,818A
CURRENT FILING DATE: 2002-10-17
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113

```
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059115
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059117
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059122
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059184
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059263
;; PRIOR FILING DATE: 1997-09-18
;; PRIOR APPLICATION NUMBER: 60/059352
;; PRIOR FILING DATE: 1997-09-19
;; PRIOR APPLICATION NUMBER: 60/059588
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-131-818A-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MRLVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db      1 MRLVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60

Qy      61 KPCKLEPEPRRLMVVPGALPOV 81
Db      61 KPCKLEPEPRRLMVVPGALPOV 81

RESULT 43
US-10-131-823A-150
;; Sequence 150, Application US/10131823A
;; Publication No. US2003007718A1
;; GENERAL INFORMATION:
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C143
;; CURRENT FILING DATE: 2002-04-24
;; PRIOR APPLICATION NUMBER: 60/049911
;; PRIOR FILING DATE: 1997-06-18
;; PRIOR APPLICATION NUMBER: 60/056974
;; PRIOR FILING DATE: 1997-08-26
;; PRIOR APPLICATION NUMBER: 60/059113
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059115
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059117
;; PRIOR FILING DATE: 1997-09-17
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;; PRIOR APPLICATION NUMBER: 60/059122
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059184
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059263
;; PRIOR FILING DATE: 1997-09-18
;; PRIOR APPLICATION NUMBER: 60/059352
;; PRIOR FILING DATE: 1997-09-19
;; PRIOR APPLICATION NUMBER: 60/059588
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-131-823A-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MRLVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db      1 MRLVLSLLCILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60

Qy      61 KPCKLEPEPRRLMVVPGALPOV 81
Db      61 KPCKLEPEPRRLMVVPGALPOV 81

RESULT 44
US-10-131-824A-150
;; Sequence 150, Application US/10131824A
;; Publication No. US2003007719A1
;; GENERAL INFORMATION:
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C126
;; CURRENT FILING DATE: 2002-04-24
;; PRIOR APPLICATION NUMBER: 60/049911
;; PRIOR FILING DATE: 1997-06-18
;; PRIOR APPLICATION NUMBER: 60/056974
;; PRIOR FILING DATE: 1997-08-26
;; PRIOR APPLICATION NUMBER: 60/059113
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059115
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059117
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059122
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059184
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/059263
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; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-824A-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MRLIVLSLCLILLCFSISTEGKRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLC 60
Db      1 MRLIVLSLCLILLCFSISTEGKRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLC 60

QY      61 KPCKLEPEPRLMVVPGLPQV 81
Db      61 KPCKLEPEPRLMVVPGLPQV 81

RESULT 45
US-10-131-830A-150
; Sequence 150, Application US/10131830A
; Publication No. US2003007720A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P333ORIC137
; CURRENT APPLICATION NUMBER: US/10/131, 830A
; PRIOR FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
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; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-830A-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MRLIVLSLCLILLCFSISTEGKRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLC 60
Db      1 MRLIVLSLCLILLCFSISTEGKRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLC 60

QY      61 KPCKLEPEPRLMVVPGLPQV 81
Db      61 KPCKLEPEPRLMVVPGLPQV 81

RESULT 46
US-10-131-837A-150
; Sequence 150, Application US/10131837A
; Publication No. US2003007721A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P333ORIC131
; CURRENT APPLICATION NUMBER: US/10/131, 837A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
```

ORGANISM: Homo Sapien
US-10-131-837A-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLLCILLCSIFSTEGRRPAKWSGRTRLCCRRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLLCILLCSIFSTEGRRPAKWSGRTRLCCRRVSPNSTNLKGHHVRLC 60

QY 61 KPCKLEPEPRMLVWPVGPALPOV 81
DB 61 KPCKLEPEPRMLVWPVGPALPOV 81

RESULT 47
US-10-137-872A-150

Sequence 150, Application US/10137872A
Publication No. US20030077722A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C150
CURRENT FILING DATE: 2002-05-03
PRIOR APPLICATION NUMBER: US/10/137, 872A
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/045911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-137-872A-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;

Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLLCILLCSIFSTEGRRPAKWSGRTRLCCRRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLLCILLCSIFSTEGRRPAKWSGRTRLCCRRVSPNSTNLKGHHVRLC 60

QY 61 KPCKLEPEPRMLVWPVGPALPOV 81
DB 61 KPCKLEPEPRMLVWPVGPALPOV 81

RESULT 48
US-10-147-500-150

Sequence 150, Application US/10147500
Publication No. US20030077723A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C325
CURRENT FILING DATE: 2002-05-16
PRIOR APPLICATION NUMBER: US/10/147, 500
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/045911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-500-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLLCILLCSIFSTEGRRPAKWSGRTRLCCRRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLLCILLCSIFSTEGRRPAKWSGRTRLCCRRVSPNSTNLKGHHVRLC 60

QY 61 KPCKLEPEPRMLVWPVGPALPOV 81
DB 61 KPCKLEPEPRMLVWPVGPALPOV 81

RESULT 49
US-10-147-502-150

Sequence 150, Application US/10147502
Publication No. US20030077724A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.

APPLICANT: Gurney,Austin L.
APPLICANT: Sherwood,Steven
APPLICANT: Smith,Victoria
APPLICANT: Stewart,Timothy A.
APPLICANT: Tumas,Daniel
APPLICANT: Watanabe,Colin K
APPLICANT: Wood,William
APPLICANT: Zhang,Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C326
CURRENT APPLICATION NUMBER: US/10/147,502
CURRENT FILING DATE: 2002-05-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-502-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRLVLSLILCIIILCFSPSTEGKRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLC 60
DB 1 MRLVLSLILCIIILCFSPSTEGKRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLC 60
OY 61 KPCKLEPEPRLMVVPGLPQV 81
DB 61 KPCKLEPEPRLMVVPGLPQV 81

RESULT 50
US-10-147-515-150
Sequence 150, Application US/10147515
Publication No. US2003007725A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C342
CURRENT APPLICATION NUMBER: US/10/147,515
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-515-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRLVLSLILCIIILCFSPSTEGKRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLC 60
DB 1 MRLVLSLILCIIILCFSPSTEGKRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLC 60
OY 61 KPCKLEPEPRLMVVPGLPQV 81
DB 61 KPCKLEPEPRLMVVPGLPQV 81

RESULT 51
US-10-147-517-150
Sequence 150, Application US/10147517
Publication No. US2003007726A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C337
CURRENT APPLICATION NUMBER: US/10/147,517
CURRENT FILING DATE: 2002-05-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-517-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRLVLSLILCIIILCFSPSTEGKRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLC 60
DB 1 MRLVLSLILCIIILCFSPSTEGKRRPAKWSGRRTRLCCHRVSPNSNTNLKGHHVRLC 60
OY 61 KPCKLEPEPRLMVVPGLPQV 81
DB 61 KPCKLEPEPRLMVVPGLPQV 81

RESULT 52
US-10-147-526-150
Sequence 150, Application US/10147526
Publication No. US2003007727A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven

APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C343
CURRENT APPLICATION NUMBER: US/10/147,526
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-526-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MRLVLSLCTILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLVLSLCTILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60

Oy 61 KPCKLEPEPRMLVVPALPOV 81
Db 61 KPCKLEPEPRMLVVPALPOV 81

RESULT 53
US-10-147-527-150
Sequence 150, Application US/10147527
Publication No. US20030077728A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C353
CURRENT APPLICATION NUMBER: US/10/147,527
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-527-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MRLVLSLCTILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLVLSLCTILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60

Db 1 MRLVLSLCTILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Oy 61 KPCKLEPEPRMLVVPALPOV 81
Db 61 KPCKLEPEPRMLVVPALPOV 81

RESULT 54
US-10-121-041-150
Sequence 150, Application US/10121041
Publication No. US2003007776A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C3
CURRENT APPLICATION NUMBER: US/10/121,041
CURRENT FILING DATE: 2002-04-11
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-041-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MRLVLSLCTILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLVLSLCTILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60

Oy 61 KPCKLEPEPRMLVVPALPOV 81
Db 61 KPCKLEPEPRMLVVPALPOV 81

RESULT 55
US-10-121-043-150
Sequence 150, Application US/10121043
Publication No. US2003007777A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C15
CURRENT APPLICATION NUMBER: US/10/121,043
CURRENT FILING DATE: 2002-04-12
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-043-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTLCHRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTLCHRVSPNSTNLKGHHVRLC 60

OY 61 KPCKLEPEPRLMVVPGLPOV 81
DB 61 KPCKLEPEPRLMVVPGLPOV 81

RESULT 56
US-10-121-047-150
Sequence 150, Application US/10121047
Publication No. US2003007778A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C14
CURRENT APPLICATION NUMBER: US/10/121,047
CURRENT FILING DATE: 2002-04-11
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-047-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTLCHRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTLCHRVSPNSTNLKGHHVRLC 60

OY 61 KPCKLEPEPRLMVVPGLPOV 81
DB 61 KPCKLEPEPRLMVVPGLPOV 81

RESULT 57
US-10-123-215-150
Sequence 150, Application US/10123215
Publication No. US20030077780A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C41
CURRENT APPLICATION NUMBER: US/10/123,215
CURRENT FILING DATE: 2002-04-15
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-215-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTLCHRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTLCHRVSPNSTNLKGHHVRLC 60

OY 61 KPCKLEPEPRLMVVPGLPOV 81
DB 61 KPCKLEPEPRLMVVPGLPOV 81

RESULT 58
US-10-123-902-150
Sequence 150, Application US/10123902
Publication No. US20030077781A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C41
CURRENT APPLICATION NUMBER: US/10/123,902
CURRENT FILING DATE: 2002-04-11
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-123-902-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTLCHRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLLCILLCSIFSTEGKRRPAKWSGRRTLCHRVSPNSTNLKGHHVRLC 60

```

; APPLICANT: Wood,William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C47
; CURRENT APPLICATION NUMBER: US/10/123,902
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-902-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCTLLCFSTEGRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLLCTLLCFSTEGRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60

Qy 61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 59
US-10-123-908-150
; Sequence 150, Application US/10123908
; Publication No. US2003007782A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C44
; CURRENT APPLICATION NUMBER: US/10/123,908
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-908-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCTLLCFSTEGRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLLCTLLCFSTEGRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60

Qy 61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81
```

```

Db 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 60
US-10-123-909-150
; Sequence 150, Application US/10123909
; Publication No. US2003007783A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C49
; CURRENT APPLICATION NUMBER: US/10/123,909
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-909-150

Query Match          100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCTLLCFSTEGRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLLCTLLCFSTEGRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60

Qy 61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 61
US-10-123-910-150
; Sequence 150, Application US/10123910
; Publication No. US2003007784A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
```

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; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C45
; CURRENT APPLICATION NUMBER: US/10/123,910
; PRIOR APPLICATION: 2002-04-16
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-910-150
```

```

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```

Qy 1 MRLIVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLIVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
```

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Qy 61 KPCKLEPPRLMWVPGALPOV 81
Db 61 KPCKLEPPRLMWVPGALPOV 81
```

```

RESULT 62
US-10-124-813-150
```

```

; Sequence 150, Application US/10124813
; Publication No. US2003007785A1
; GENERAL INFORMATION:
```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
```

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; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C67
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; CURRENT APPLICATION NUMBER: US/10/124,813
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; PRIOR APPLICATION: 2002-04-17
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; PRIOR APPLICATION removed - See File Wrapper or Palm
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; NUMBER OF SEQ ID NOS: 550
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; SEQ ID NO 150
```

```

; LENGTH: 81
```

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; TYPE: PRT
```

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; ORGANISM: Homo Sapien
US-10-124-813-150
```

```

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

Qy 1 MRLIVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLIVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
```

```

Qy 61 KPCKLEPPRLMWVPGALPOV 81
Db 61 KPCKLEPPRLMWVPGALPOV 81
```

```

RESULT 63
US-10-124-817-150
```

```

; Sequence 150, Application US/10124817
; Publication No. US2003007786A1
; GENERAL INFORMATION:
```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
```

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; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C56
```

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; CURRENT APPLICATION NUMBER: US/10/124,817
```

```

; PRIOR APPLICATION: 2002-04-17
```

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; PRIOR APPLICATION removed - See File Wrapper or Palm
```

```

; NUMBER OF SEQ ID NOS: 550
```

```

; SEQ ID NO 150
```

```

; LENGTH: 81
```

```

; TYPE: PRT
```

```

; ORGANISM: Homo Sapien
US-10-124-817-150
```

```

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

Qy 1 MRLIVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLIVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
```

```

Qy 61 KPCKLEPPRLMWVPGALPOV 81
Db 61 KPCKLEPPRLMWVPGALPOV 81
```

```

RESULT 64
US-10-125-922-150
```

```

; Sequence 150, Application US/10125922
; Publication No. US2003007787A1
; GENERAL INFORMATION:
```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
```

```

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C56
```

```

; CURRENT APPLICATION NUMBER: US/10/125,922
```

```

; PRIOR APPLICATION: 2002-04-17
```

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; PRIOR APPLICATION removed - See File Wrapper or Palm
```


FILE REFERENCE: P3330R1C73
CURRENT APPLICATION NUMBER: US/10/125,922
CURRENT FILING DATE: 2002-04-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-125-922-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLCLLCLLCSIFSTGRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLCLLCLLCSIFSTGRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
61 KPCKLEPPRLMVVPGALPOV 81
61 KPCKLEPPRLMVVPGALPOV 81

RESULT 65

US-10-125-924-150
Sequence 150, Application US/10125924
Publication No. US20030077789A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C75
CURRENT APPLICATION NUMBER: US/10/125,924
CURRENT FILING DATE: 2002-04-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-125-924-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLCLLCLLCSIFSTGRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLCLLCLLCSIFSTGRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
QY 61 KPCKLEPPRLMVVPGALPOV 81
DB 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 66

US-10-140-860-150
Sequence 150, Application US/10140860
Publication No. US20030077789A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C189
CURRENT APPLICATION NUMBER: US/10/140,860
CURRENT FILING DATE: 2002-05-07
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-860-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3,9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLCLLCLLCSIFSTGRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
DB 1 MRLVLSLCLLCLLCSIFSTGRRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
QY 61 KPCKLEPPRLMVVPGALPOV 81
DB 61 KPCKLEPPRLMVVPGALPOV 81

RESULT 67

US-10-142-417-150
Sequence 150, Application US/10142417
Publication No. US20030077790A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C232
CURRENT APPLICATION NUMBER: US/10/142,417

;; CURRENT FILING DATE: 2002-05-09
;; Prior application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-142-417-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLCTILLCFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLCTILLCFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Qy 61 KPCKLEPEPRMLWVPGALPQV 81
Db 61 KPCKLEPEPRMLWVPGALPQV 81

RESULT 68
US-10-147-519-150
; Sequence 150, Application US/10147519
; Publication No. US2003007791A1
; GENERAL INFORMATION:

;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: DeForge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C346
;; CURRENT APPLICATION NUMBER: US/10/147, 519
;; CURRENT FILING DATE: 2002-05-17
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-147-519-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLCTILLCFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLCTILLCFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Qy 61 KPCKLEPEPRMLWVPGALPQV 81
Db 61 KPCKLEPEPRMLWVPGALPQV 81

RESULT 69
US-10-157-782-150
; Sequence 150, Application US/10157782

;; Publication No. US2003007792A1
;; GENERAL INFORMATION:
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: DeForge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C431
;; CURRENT APPLICATION NUMBER: US/10/157, 782
;; CURRENT FILING DATE: 2002-05-29
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 150
;; LENGTH: 81
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-157-782-150

Query Match 100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLCTILLCFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Db 1 MRLVLSLCTILLCFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60
Qy 61 KPCKLEPEPRMLWVPGALPQV 81
Db 61 KPCKLEPEPRMLWVPGALPQV 81

RESULT 70
US-10-152-395-150
; Sequence 150, Application US/10152395
; Publication No. US20030078377A1
; GENERAL INFORMATION:

;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: DeForge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
;; APPLICANT: Smith, Victoria
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K
;; APPLICANT: Wood, William
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3330R1C405
;; CURRENT APPLICATION NUMBER: US/10/152, 395
;; CURRENT FILING DATE: 2002-05-21
;; Prior Application removed - See File Wrapper or Palm

```

; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-152-395-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60

Qy 61 KPCKLEPEPRLMVYPGALPOV 81
Db 61 KPCKLEPEPRLMVYPGALPOV 81

RESULT 71
US-10-125-926A-150
; Sequence 150, Application US/10125926A
; Publication No. US20030082686A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Matanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C80
; CURRENT APPLICATION NUMBER: US/10/125, 926A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
```

```

US-10-125-926A-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRLVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60
Db 1 MRLVLSLLCILLCSIFSTEGKRRPAKAMSGRRTRLCCHRVSPNSTNLKGHVRLC 60

Qy 61 KPCKLEPEPRLMVYPGALPOV 81
Db 61 KPCKLEPEPRLMVYPGALPOV 81

RESULT 72
US-10-125-930A-150
; Sequence 150, Application US/10125930A
; Publication No. US20030082687A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Matanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C78
; CURRENT APPLICATION NUMBER: US/10/125, 930A
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-125-930A-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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60	60	81	81
		KPCKLEPPEPRMLVYPCALPQV	KPCKLEPPEPRMLVYPCALPQV

RESULT 73
US-10-127

; Sequence 150, Application US/10127831A
; Publication No. US20030082689A1

APPLICANT:	Baker, Kevin P.
APPLICANT:	Beresini, Maureen
APPLICANT:	DeForge, Laura
APPLICANT:	Desnoyers, Luc
APPLICANT:	Filvaroff, Ellen
APPLICANT:	Gao, Wei-Qiang
APPLICANT:	Gerritsen, Mary E.
APPLICANT:	Goddard, Audrey
APPLICANT:	Godowski, Paul J.
APPLICANT:	Guiney, Austin L.
APPLICANT:	Sherwood, Steven
APPLICANT:	Smith, Victoria
APPLICANT:	Stewart, Timothy A.
APPLICANT:	Tumas, Daniel
APPLICANT:	Watanabe, Colin K
APPLICANT:	Wood, William
APPLICANT:	Zhang, Zemin
TITLE OF INVENTION:	SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION:	ACIDS ENCODING THE SAME

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: LENGTH: 81
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: TYPE: PRT
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: ORGANISM: Homo Sapien
US-10-127-831A-150

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RESULT 74
US-10-127

; Sequence 150, Application US/10127837A
; Publication No. US20030082690A1

/ APPLICANT: Baker, Kevin P.
 / APPLICANT: Beresini, Maureen
 / APPLICANT: DeForge, Laura
 / APPLICANT: Desnoyers, Luc
 / APPLICANT: Filvaroff, Ellen
 / APPLICANT: Gao, Wei-Qiang
 / APPLICANT: Gerlitsen, Mary E.
 / APPLICANT: Goddard, Audrey
 / APPLICANT: Godowski, Paul J.
 / APPLICANT: Gurney, Austin L.
 / APPLICANT: Sherwood, Steven
 / APPLICANT: Smith, Victoria
 / APPLICANT: Stewart, Timothy A.
 / APPLICANT: Tumas, Daniel
 / APPLICANT: Matanabe, Colin K
 / APPLICANT: Wood, William
 / APPLICANT: Zhang, Zemin
 / TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 / TITLE OF INVENTION: ACIDS ENCODING THE SAME

Query Match	100.0%	Score 442:	DB 14:	length 81;
Best Local Similarity	100.0%	Pred. NO. 3.9e-41;		
Matches 81; Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0;

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RESULT 75
US-10-127-838B-150
; Sequence 150, Application US/10127838B
; Publication No. US20030082691A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Aubelin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C98
; CURRENT APPLICATION NUMBER: US/10/127,838B
; CURRENT FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-838B-150

Query Match      100.0%; Score 442; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 3.9e-41;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MRLVLSILCTILLCSIFSTEGRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLC 60

Oy 61 KPCKLEPPRLMVVPGALPOV 81
Db 61 KPCKLEPPRLMVVPGALPOV 81

Search completed: May 4, 2005, 22:52:50
Job time : 125.326 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 4, 2005, 22:34:01 ; Search time 75.1739 Seconds

(without alignments)
252.575 Million cell updates/sec

Title: US-09-724-000a-6

Perfect score: 326

Sequence: 1 KRPAKAWSGRRTRLCGRV.....PCKLEPERPLWVPGALPGV 57

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Gapop 10.0 , Gapext 0.5

Searched: 1426032 seqs, 333106140 residues

Total number of hits satisfying chosen parameters: 1426032

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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3	326	100.0	81	11	US-09-833-245-2160
4	326	100.0	81	14	US-10-028-072-150
5	326	100.0	81	14	US-10-140-808-150
6	326	100.0	81	14	US-10-121-049-150
7	326	100.0	81	14	US-10-123-904-150
8	326	100.0	81	14	US-10-140-470-150
9	326	100.0	81	14	US-10-173-746-150
10	326	100.0	81	14	US-10-176-918-150
11	326	100.0	81	14	US-10-176-921-150
12	326	100.0	81	14	US-10-137-865-150
13	326	100.0	81	14	US-10-140-474-150

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15	326	100.0	81	14	US-10-143-114-150	Sequence 150, App
16	326	100.0	81	14	US-10-142-419-150	Sequence 150, App
17	326	100.0	81	14	US-10-123-262-150	Sequence 150, App
18	326	100.0	81	14	US-10-142-423-150	Sequence 150, App
19	326	100.0	81	14	US-10-121-050-150	Sequence 150, App
20	326	100.0	81	14	US-10-141-755-150	Sequence 150, App
21	326	100.0	81	14	US-10-143-032-150	Sequence 150, App
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23	326	100.0	81	14	US-10-123-226-150	Sequence 150, App
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37	326	100.0	81	14	US-10-127-835A-150	Sequence 150, App
38	326	100.0	81	14	US-10-127-839A-150	Sequence 150, App
39	326	100.0	81	14	US-10-127-901A-150	Sequence 150, App
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44	326	100.0	81	14	US-10-131-830A-150	Sequence 150, App
45	326	100.0	81	14	US-10-131-837A-150	Sequence 150, App
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47	326	100.0	81	14	US-10-147-502-150	Sequence 150, App
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130	326	100.0	81	14	US-10-131-817A-150	Sequence 150, App	203	326	100.0	81	14	US-10-142-418-150	Sequence 150, App
131	326	100.0	81	14	US-10-131-821A-150	Sequence 150, App	204	326	100.0	81	14	US-10-142-420-150	Sequence 150, App
132	326	100.0	81	14	US-10-131-822A-150	Sequence 150, App	205	326	100.0	81	14	US-10-142-422-150	Sequence 150, App
133	326	100.0	81	14	US-10-131-825A-150	Sequence 150, App	206	326	100.0	81	14	US-10-142-427-150	Sequence 150, App
134	326	100.0	81	14	US-10-131-835A-150	Sequence 150, App	207	326	100.0	81	14	US-10-142-760-150	Sequence 150, App
135	326	100.0	81	14	US-10-137-864A-150	Sequence 150, App	208	326	100.0	81	14	US-10-145-821-150	Sequence 150, App
136	326	100.0	81	14	US-10-137-869A-150	Sequence 150, App	209	326	100.0	81	14	US-10-152-531-150	Sequence 150, App
137	326	100.0	81	14	US-10-147-523-150	Sequence 150, App	210	326	100.0	81	14	US-10-127-840A-150	Sequence 150, App
138	326	100.0	81	14	US-10-158-785-150	Sequence 150, App	211	326	100.0	81	14	US-10-142-424-150	Sequence 150, App
139	326	100.0	81	14	US-10-121-051-150	Sequence 150, App	212	326	100.0	81	14	US-10-142-761-150	Sequence 150, App
140	326	100.0	81	14	US-10-121-042-150	Sequence 150, App	213	326	100.0	81	14	US-10-142-765-150	Sequence 150, App
141	326	100.0	81	14	US-10-235-912-150	Sequence 14, App1	214	326	100.0	81	14	US-10-142-765-150	Sequence 150, App
142	326	100.0	81	14	US-10-235-994-14	Sequence 150, App	215	326	100.0	81	14	US-10-142-887-150	Sequence 150, App
143	326	100.0	81	14	US-10-192-007-150	Sequence 150, App	216	326	100.0	81	14	US-10-142-888-150	Sequence 150, App
144	326	100.0	81	14	US-10-194-359-150	Sequence 150, App	217	326	100.0	81	14	US-10-143-034-150	Sequence 150, App
145	326	100.0	81	14	US-10-137-847A-150	Sequence 150, App	218	326	100.0	81	14	US-10-143-116-150	Sequence 150, App
146	326	100.0	81	14	US-10-137-866-150	Sequence 150, App	219	326	100.0	81	14	US-10-144-850-150	Sequence 150, App
147	326	100.0	81	14	US-10-146-726-150	Sequence 150, App	220	326	100.0	81	14	US-10-144-992-150	Sequence 150, App
148	326	100.0	81	14	US-10-146-727-150	Sequence 150, App	221	326	100.0	81	14	US-10-145-015-150	Sequence 150, App
149	326	100.0	81	14	US-10-146-788-150	Sequence 150, App	222	326	100.0	81	14	US-10-145-090-150	Sequence 150, App
150	326	100.0	81	14	US-10-152-380-150	Sequence 150, App	223	326	100.0	81	14	US-10-145-091-150	Sequence 150, App
151	326	100.0	81	14	US-10-153-934-150	Sequence 150, App	224	326	100.0	81	14	US-10-145-629-150	Sequence 150, App
152	326	100.0	81	14	US-10-140-807-150	Sequence 150, App	225	326	100.0	81	14	US-10-145-630-150	Sequence 150, App
153	326	100.0	81	14	US-10-140-924-150	Sequence 150, App	226	326	100.0	81	14	US-10-145-747-150	Sequence 150, App
154	326	100.0	81	14	US-10-140-926-150	Sequence 150, App	227	326	100.0	81	14	US-10-145-752-150	Sequence 150, App
155	326	100.0	81	14	US-10-141-698-150	Sequence 150, App	228	326	100.0	81	14	US-10-145-754-150	Sequence 150, App
156	326	100.0	81	14	US-10-141-702-150	Sequence 150, App	229	326	100.0	81	14	US-10-145-755-150	Sequence 150, App
157	326	100.0	81	14	US-10-141-704-150	Sequence 150, App	230	326	100.0	81	14	US-10-145-818-150	Sequence 150, App
158	326	100.0	81	14	US-10-142-421-150	Sequence 150, App	231	326	100.0	81	14	US-10-145-820-150	Sequence 150, App
159	326	100.0	81	14	US-10-142-432-150	Sequence 150, App	232	326	100.0	81	14	US-10-145-872-150	Sequence 150, App

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236	326	100.0	81	14	US-10-147-503-150	Sequence 150, App	309	326	100.0	81	14	US-10-121-.060-150	Sequence 150, App
237	326	100.0	81	14	US-10-147-522-150	Sequence 150, App	310	326	100.0	81	14	US-10-123-109-150	Sequence 150, App
238	326	100.0	81	14	US-10-152-401-150	Sequence 150, App	311	326	100.0	81	14	US-10-123-109-150	Sequence 150, App
239	326	100.0	81	14	US-10-157-783-150	Sequence 150, App	312	326	100.0	81	14	US-10-123-157-150	Sequence 150, App
240	326	100.0	81	14	US-10-158-792-150	Sequence 150, App	313	326	100.0	81	14	US-10-123-906-150	Sequence 150, App
241	326	100.0	81	14	US-10-158-462-150	Sequence 150, App	314	326	100.0	81	14	US-10-124-814-150	Sequence 150, App
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244	326	100.0	81	14	US-10-145-822-150	Sequence 150, App	317	326	100.0	81	14	US-10-125-704-150	Sequence 150, App
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251	326	100.0	81	14	US-10-146-787-150	Sequence 150, App	324	326	100.0	81	14	US-10-152-375-150	Sequence 150, App
252	326	100.0	81	14	US-10-146-790-150	Sequence 150, App	325	326	100.0	81	14	US-10-152-377-150	Sequence 150, App
253	326	100.0	81	14	US-10-146-793-150	Sequence 150, App	326	326	100.0	81	14	US-10-152-386-150	Sequence 150, App
254	326	100.0	81	14	US-10-147-480-150	Sequence 150, App	327	326	100.0	81	14	US-10-152-389-150	Sequence 150, App
255	326	100.0	81	14	US-10-147-485-150	Sequence 150, App	328	326	100.0	81	14	US-10-152-393-150	Sequence 150, App
256	326	100.0	81	14	US-10-147-486-150	Sequence 150, App	329	326	100.0	81	14	US-10-156-848-150	Sequence 150, App
257	326	100.0	81	14	US-10-147-487-150	Sequence 150, App	330	326	100.0	81	14	US-10-157-785-150	Sequence 150, App
258	326	100.0	81	14	US-10-147-490-150	Sequence 150, App	331	326	100.0	81	14	US-10-157-796-150	Sequence 150, App
259	326	100.0	81	14	US-10-147-494-150	Sequence 150, App	332	326	100.0	81	14	US-10-160-500-150	Sequence 150, App
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381	326	100.0	81	15	US-10-141-762-150	Sequence 150, App	454	63.5	19.5	153	15	US-10-425-114-49137	Sequence 4137, A
382	326	100.0	81	15	US-10-142-428-150	Sequence 150, App	455	63	19.3	606	16	US-10-437-963-117723	Sequence 117723, A
383	326	100.0	81	15	US-10-142-429-150	Sequence 150, App	456	62.5	19.2	316	15	US-10-425-114-53567	Sequence 53567, A
384	326	100.0	81	15	US-10-142-884-150	Sequence 150, App	457	62.5	19.2	342	15	US-10-424-599-178009	Sequence 178009, A
385	326	100.0	81	15	US-10-143-027-150	Sequence 150, App	458	62.5	19.2	417	15	US-10-416-090-31	Sequence 31, App1
386	326	100.0	81	15	US-10-143-115-150	Sequence 150, App	459	62.5	19.2	465	15	US-10-416-090-24	Sequence 24, App1
387	326	100.0	81	15	US-10-144-956-150	Sequence 150, App	460	62.5	19.2	792	14	US-10-059-585-22	Sequence 22, App1
388	326	100.0	81	15	US-10-144-958-150	Sequence 150, App	461	62.5	19.2	934	10	US-09-796-753-156	Sequence 156, App
389	326	100.0	81	15	US-10-145-632-150	Sequence 150, App	462	62.5	19.2	985	9	US-09-978-295A-211	Sequence 211, App
390	326	100.0	81	15	US-10-145-749-150	Sequence 150, App	463	62.5	19.2	985	9	US-09-978-192A-211	Sequence 211, App
391	326	100.0	81	15	US-10-145-753-150	Sequence 150, App	464	62.5	19.2	985	9	US-09-978-192A-211	Sequence 211, App
392	326	100.0	81	15	US-10-145-871-150	Sequence 150, App	465	62.5	19.2	985	10	US-09-978-189-211	Sequence 211, App
393	326	100.0	81	15	US-10-145-878-150	Sequence 150, App	466	62.5	19.2	985	10	US-09-978-608A-211	Sequence 211, App
394	326	100.0	81	15	US-10-146-794-150	Sequence 150, App	467	62.5	19.2	985	10	US-09-978-858A-211	Sequence 211, App
395	326	100.0	81	15	US-10-147-489-150	Sequence 150, App	468	62.5	19.2	985	10	US-09-978-191A-211	Sequence 211, App
396	326	100.0	81	15	US-10-147-507-150	Sequence 150, App	469	62.5	19.2	985	10	US-09-978-403A-211	Sequence 211, App
397	326	100.0	81	15	US-10-147-535-150	Sequence 150, App	470	62.5	19.2	985	10	US-09-978-564A-211	Sequence 211, App
398	326	100.0	81	15	US-10-147-537-150	Sequence 150, App	471	62.5	19.2	985	10	US-09-999-833A-211	Sequence 211, App
399	326	100.0	81	15	US-10-152-376-150	Sequence 150, App	472	62.5	19.2	985	10	US-09-999-833A-211	Sequence 211, App
400	326	100.0	81	15	US-10-152-381-150	Sequence 150, App	473	62.5	19.2	985	10	US-09-981-151A-211	Sequence 211, App
401	326	100.0	81	15	US-10-152-400-150	Sequence 150, App	474	62.5	19.2	985	10	US-09-978-824-211	Sequence 211, App
402	326	100.0	81	15	US-10-153-585-150	Sequence 150, App	475	62.5	19.2	985	10	US-09-918-885A-211	Sequence 211, App
403	326	100.0	81	15	US-10-157-780-150	Sequence 150, App	476	62.5	19.2	985	10	US-09-999-834A-211	Sequence 211, App
404	326	100.0	81	15	US-10-157-800-150	Sequence 150, App	477	62.5	19.2	985	10	US-09-978-193A-211	Sequence 211, App
405	326	100.0	81	15	US-10-157-801-150	Sequence 150, App	478	62.5	19.2	985	10	US-09-999-830A-211	Sequence 211, App
406	326	100.0	81	15	US-10-157-802-150	Sequence 150, App	479	62.5	19.2	985	10	US-09-978-157A-211	Sequence 211, App
407	326	100.0	81	15	US-10-158-784-150	Sequence 150, App	480	62.5	19.2	985	10	US-09-978-187B-211	Sequence 211, App
408	326	100.0	81	15	US-10-158-789-150	Sequence 150, App	481	62.5	19.2	985	10	US-09-978-443A-211	Sequence 211, App
409	326	100.0	81	15	US-10-193-011-150	Sequence 150, App	482	62.5	19.2	985	10	US-09-978-175A-211	Sequence 211, App
410	326	100.0	81	15	US-10-138-963-150	Sequence 150, App	483	62.5	19.2	985	10	US-09-978-198A-211	Sequence 211, App
411	326	100.0	81	15	US-10-140-020-150	Sequence 150, App	484	62.5	19.2	985	10	US-09-978-188A-211	Sequence 211, App
412	326	100.0	81	15	US-10-140-023-150	Sequence 150, App	485	62.5	19.2	985	10	US-09-978-861A-211	Sequence 211, App
413	326	100.0	81	15	US-10-140-809-150	Sequence 150, App	486	62.5	19.2	985	10	US-09-999-829A-211	Sequence 211, App
414	326	100.0	81	15	US-10-140-865-150	Sequence 150, App	487	62.5	19.2	985	10	US-09-978-194A-211	Sequence 211, App
415	326	100.0	81	15	US-10-141-701-150	Sequence 150, App	488	62.5	19.2	985	10	US-09-978-544A-211	Sequence 211, App
416	326	100.0	81	15	US-10-141-754-150	Sequence 150, App	489	62.5	19.2	985	10	US-09-978-665A-211	Sequence 211, App
417	326	100.0	81	15	US-10-141-760-150	Sequence 150, App	490	62.5	19.2	985	10	US-09-978-802A-211	Sequence 211, App
418	326	100.0	81	15	US-10-142-425-150	Sequence 150, App	491	62.5	19.2	985	10	US-09-978-819A-211	Sequence 211, App
419	326	100.0	81	15	US-10-143-430-150	Sequence 150, App	492	62.5	19.2	985	11	US-09-999-829A-211	Sequence 211, App
420	326	100.0	81	15	US-10-143-113-150	Sequence 150, App	493	62.5	19.2	985	14	US-10-017-081A-211	Sequence 211, App
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422	326	100.0	81	15	US-10-146-792-150	Sequence 150, App	495	62.5	19.2	985	14	US-10-013-921A-211	Sequence 211, App
423	326	100.0	81	15	US-10-158-791-150	Sequence 150, App	496	62.5	19.2	985	14	US-10-013-929A-211	Sequence 211, App
424	326	100.0	81	15	US-10-156-843-150	Sequence 150, App	497	62.5	19.2	985	14	US-10-016-177A-211	Sequence 211, App
425	326	100.0	81	15	US-10-157-786-150	Sequence 150, App	498	62.5	19.2	985	14	US-10-166-709A-211	Sequence 211, App
426	326	100.0	81	15	US-10-152-405-150	Sequence 150, App	499	62.5	19.2	985	14	US-10-143-030A-211	Sequence 211, App
427	326	100.0	81	15	US-10-147-528-150	Sequence 150, App	500	62.5	19.2	985	14	US-10-143-030A-211	Sequence 211, App
428	326	100.0	81	15	US-10-128-692A-150	Sequence 150, App	501	62.5	19.2	985	14	US-10-002-967A-211	Sequence 211, App
429	326	100.0	81	15	US-10-140-927-150	Sequence 150, App	502	62.5	19.2	985	14	US-10-017-083A-211	Sequence 211, App
430	326	100.0	81	15	US-10-147-493-150	Sequence 150, App	503	62.5	19.2	985	14	US-10-145-128A-211	Sequence 211, App
431	326	100.0	81	15	US-10-145-127-150	Sequence 150, App	504	62.5	19.2	985	14	US-10-017-191A-211	Sequence 211, App
432	326	100.0	81	15	US-10-160-503-150	Sequence 150, App	505	62.5	19.2	985	14	US-10-143-028A-211	Sequence 211, App
433	326	100.0	81	15	US-10-143-118-150	Sequence 150, App	506	62.5	19.2	985	14	US-10-143-029A-211	Sequence 211, App
434	326	100.0	81	15	US-10-144-993-150	Sequence 150, App	507	62.5	19.2	985	14	US-10-145-124A-211	Sequence 211, App
435	326	100.0	81	15	US-10-158-787-150	Sequence 150, App	508	62.5	19.2	985	14	US-10-165-067A-211	Sequence 211, App
436	326	100.0	81	15	US-10-140-024-150	Sequence 150, App	509	62.5	19.2	985	14	US-10-145-077A-211	Sequence 211, App
437	326	100.0	81	15	US-10-147-536-150	Sequence 150, App	510	62.5	19.2	985	14	US-10-164-829A-211	Sequence 211, App
438	326	100.0	81	16	US-10-152-372-150	Sequence 150, App	511	62.5	19.2	985	14	US-10-013-926A-211	Sequence 211, App
439	326	100.0	81	17	US-10-931-886-150	Sequence 150, App	512	62.5	19.2	985	14	US-10-165-247A-211	Sequence 211, App
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441	326	100.0	109	9	US-09-800-729-184	Sequence 184, App	514	62.5	19.2	985	14	US-10-160-502A-211	Sequence 211, App
442	72	22.1	575	16	US-10-437-963-123903	Sequence 123903, App	515	62.5	19.2	985	14	US-10-145-087A-211	Sequence 211, App
443	72	22.1	684	16	US-10-437-963-123898	Sequence 123898, App	516	62.5	19.2	985	14	US-10-017-086A-211	Sequence 211, App
444	72	22.1	688	16	US-10-437-963-123901	Sequence 123901, App	517	62.5	19.2	985	14	US-10-164-829A-211	Sequence 211, App
445	72	22.1	893	16	US-10-437-963-123906	Sequence 123906, App	518	62.5	19.2	985	14	US-10-013-922A-211	Sequence 211, App
446	71	21.5	1604	16	US-10-437-963-123905	Sequence 123905, App	519	62.5	19.2	985	14	US-10-013-922A-211	Sequence 211, App
447	70	21.5	301	16	US-10-437-963-194354	Sequence 194354, App	520	62.5	19.2	985	14	US-10-020-445A-211	Sequence 211, App
448	67	20.6	67	15	US-10-424-599-168501	Sequence 168501, App	521	62.5	19.2	985	14	US-10-013-924A-211	Sequence 211, App
449	66.5	20.4	208	15	US-10-425-114-53966	Sequence 53966, A	522	62.5	19.2	985	15	US-10-017-084A-211	Sequence 211, App
450	66.5	20.4	211	15	US-10-425-114-68766	Sequence 68766, A	523	62.5	19.2	985	15	US-10-145-016A-211	Sequence 211, App
451	66	20.2	19695	15	US-10-084-846A-3	Sequence 3, App1	524	62.5	19.2	985	15	US-10-145-016A-211	Sequence 211, App

525	62.5	19.2	985	15	US-10-145-088A-211	Sequence 211, App	598	58.5	17.9	183	15	US-10-425-114-49344	Sequence 49344, A
526	62.5	19.2	985	15	US-10-145-092A-211	Sequence 211, App	599	58.5	17.9	344	15	US-10-424-599-217815	Sequence 217815, A
527	62.5	19.2	985	15	US-10-145-129A-211	Sequence 211, App	600	58.5	17.9	322	9	US-09-866-562-61	Sequence 61, App
528	62.5	19.2	985	15	US-10-165-038A-211	Sequence 211, App	601	58.5	17.9	607	14	US-10-320-763-4	Sequence 4, App
529	62.5	19.2	985	15	US-10-165-353A-211	Sequence 211, App	602	58.5	17.9	782	9	US-09-508-193-47	Sequence 47, App
530	62.5	19.2	985	15	US-10-167-600-211	Sequence 211, App	603	58.5	17.9	782	15	US-10-190-115-39	Sequence 39, App
531	62.5	19.2	985	15	US-10-170-481A-211	Sequence 211, App	604	58.5	17.9	782	15	US-10-369-072-39	Sequence 39, App
532	62.5	19.2	985	15	US-10-172-039A-211	Sequence 211, App	605	58.5	17.9	1973	15	US-10-084-846A-5	Sequence 5, App
533	62.5	19.2	985	15	US-10-210-028-211	Sequence 211, App	606	58.5	17.9	49	15	US-10-424-599-252339	Sequence 252339, A
534	62.5	19.2	985	15	US-10-017-085A-211	Sequence 211, App	607	58.5	17.8	104	14	US-10-156-761-8500	Sequence 8500, App
535	62.5	19.2	985	15	US-10-013-916A-211	Sequence 211, App	608	58.5	17.8	128	15	US-10-424-599-189346	Sequence 189346, A
536	62.5	19.2	985	15	US-10-143-026A-211	Sequence 211, App	609	58.5	17.8	380	15	US-10-318-885-26	Sequence 26, App
537	62.5	19.2	985	15	US-10-013-918A-211	Sequence 211, App	610	58.5	17.8	489	15	US-10-318-885-30	Sequence 30, App
538	62.5	19.2	985	15	US-10-162-521A-211	Sequence 211, App	611	58.5	17.8	648	15	US-10-437-963-13899	Sequence 13899, A
539	62.5	19.2	985	15	US-10-013-928A-211	Sequence 211, App	612	58.5	17.8	1789	16	US-10-437-963-135004	Sequence 135004, A
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541	62.5	19.2	985	15	US-10-013-923A-211	Sequence 211, App	614	57.5	17.6	70	16	US-10-437-963-151085	Sequence 151085, A
542	62.5	19.2	985	15	US-10-013-925A-211	Sequence 211, App	615	57.5	17.6	85	16	US-10-437-963-151072	Sequence 151072, A
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544	62.5	19.2	985	15	US-10-145-093A-211	Sequence 211, App	617	57.5	17.6	163	9	US-09-895-913A-344	Sequence 324, App
545	62.5	19.2	985	15	US-10-013-919A-211	Sequence 211, App	618	57.5	17.6	232	16	US-10-437-963-154650	Sequence 154650, A
546	62.5	19.2	985	15	US-10-013-920A-211	Sequence 211, App	619	57.5	17.6	237	16	US-10-767-701-38511	Sequence 38511, A
547	62.5	19.2	985	15	US-10-164-749A-211	Sequence 211, App	620	57.5	17.6	252	15	US-10-112-944-772	Sequence 772, App
548	62.5	19.2	985	15	US-10-013-917A-211	Sequence 211, App	621	57.5	17.6	285	16	US-10-767-701-33958	Sequence 32958, A
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551	62.5	19.2	985	17	US-10-897-359-211	Sequence 211, App	624	57.5	17.6	317	15	US-10-425-114-57316	Sequence 57316, A
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554	62.5	19.2	1075	15	US-10-416-090-43	Sequence 43, App	627	57.5	17.6	458	9	US-09-815-242-11321	Sequence 11321, A
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562	60.5	18.6	862	10	US-09-825-751A-66	Sequence 66, App	635	57.5	17.5	144	15	US-10-425-114-53774	Sequence 53774, A
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576	59.5	18.3	641	17	US-10-476-615-39	Sequence 39, App	649	57.5	17.5	748	16	US-10-650-609-2	Sequence 2, App
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580	59.5	18.3	1006	17	US-10-476-615-48	Sequence 48, App	653	56.5	17.3	109	10	US-09-374-046A-134	Sequence 134, App
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584	59.5	18.3	1064	17	US-10-476-615-44	Sequence 44, App	657	56.5	17.3	109	13	US-10-063-551-114	Sequence 114, App
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587	59	18.1	525	15	US-10-431-273-84	Sequence 84, App	660	56.5	17.3	109	14	US-10-176-737-344	Sequence 344, App
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592	58.5	17.9	102	9	US-09-739-907-58	Sequence 58, App	665	56.5	17.3	109	14	US-10-176-914-344	Sequence 344, App
593	58.5	17.9	102	11	US-09-938-671-58	Sequence 58, App	666	56.5	17.3	109	14	US-10-176-915-344	Sequence 344, App
594	58.5	17.9	134	16	US-10-437-963-140634	Sequence 140634, A	667	56.5	17.3	109	14	US-10-063-559-114	Sequence 114, App
595	58.5	17.9	180	9	US-09-739-907-106	Sequence 106, App	668	56.5	17.3	109	14	US-10-063-513-114	Sequence 114, App
596	58.5	17.9	180	11	US-09-938-671-106	Sequence 106, App	669	56.5	17.3	109	14	US-10-063-515-114	Sequence 114, App
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819	56.5	17.3	109	14	US-10-195-894-344	Sequence 344, App	892	56.5	17.3	109	14	US-10-184-638-344	Sequence 344, App
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832	56.5	17.3	109	14	US-10-184-615-344	Sequence 344, App	905	56.5	17.3	109	14	US-10-201-328-344	Sequence 344, App
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836	56.5	17.3	109	14	US-10-192-010-344	Sequence 344, App	909	56.5	17.3	109	14	US-10-201-529-344	Sequence 344, App
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843	56.5	17.3	109	14	US-10-187-780-344	Sequence 344, App	916	56.5	17.3	109	14	US-10-205-507-344	Sequence

663 56.5 17.3 109 14 US-10-063-555-114 Sequence 114, App
664 56.5 17.3 109 14 US-10-196-757-344 Sequence 344, App
665 56.5 17.3 109 14 US-10-063-554-114 Sequence 114, App
666 56.5 17.3 109 14 US-10-196-754-344 Sequence 344, App
667 56.5 17.3 109 14 US-10-174-571-344 Sequence 344, App
668 56.5 17.3 109 14 US-10-176-746-344 Sequence 344, App
669 56.5 17.3 109 14 US-10-176-923-344 Sequence 344, App
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673 56.5 17.3 109 14 US-10-187-742-344 Sequence 344, App
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676 56.5 17.3 109 14 US-10-188-771-344 Sequence 344, App
677 56.5 17.3 109 14 US-10-192-006-344 Sequence 344, App
678 56.5 17.3 109 14 US-10-192-008-344 Sequence 344, App
679 56.5 17.3 109 14 US-10-193-009-344 Sequence 344, App
680 56.5 17.3 109 14 US-10-193-012-344 Sequence 344, App
681 56.5 17.3 109 14 US-10-193-014-344 Sequence 344, App
682 56.5 17.3 109 14 US-10-193-016-344 Sequence 344, App
683 56.5 17.3 109 14 US-10-194-362-344 Sequence 344, App
684 56.5 17.3 109 14 US-10-194-364-344 Sequence 344, App
685 56.5 17.3 109 14 US-10-194-395-344 Sequence 344, App
686 56.5 17.3 109 14 US-10-194-424-344 Sequence 344, App
687 56.5 17.3 109 14 US-10-194-458-344 Sequence 344, App
688 56.5 17.3 109 14 US-10-194-459-344 Sequence 344, App
689 56.5 17.3 109 14 US-10-194-488-344 Sequence 344, App
690 56.5 17.3 109 14 US-10-195-886-344 Sequence 344, App
691 56.5 17.3 109 14 US-10-195-891-344 Sequence 344, App
692 56.5 17.3 109 14 US-10-196-746-344 Sequence 344, App
693 56.5 17.3 109 14 US-10-196-753-344 Sequence 344, App
694 56.5 17.3 109 14 US-10-196-753-344 Sequence 344, App
695 56.5 17.3 109 14 US-10-196-761-344 Sequence 344, App
696 56.5 17.3 109 14 US-10-197-692-344 Sequence 344, App
697 56.5 17.3 109 14 US-10-197-693-344 Sequence 344, App
698 56.5 17.3 109 14 US-10-197-696-344 Sequence 344, App
699 56.5 17.3 109 14 US-10-197-698-344 Sequence 344, App
1000 56.5 17.3 109 14 US-10-197-703-344 Sequence 344, App

ALIGNMENTS

RESULT 1
US-09-800-729-96
; Sequence 96, Application US/09800729
; Patent No. US2002068319A1
; GENERAL INFORMATION:
; APPLICANT: NI et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044P1
; CURRENT APPLICATION NUMBER: US/09/800, 729
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155, 709
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 96
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-96

Query Match 100.0%; Score 326; DB 9; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLWVPGALPOV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLWVPGALPOV 81

RESULT 2
US-09-981-353-178
; Sequence 178, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Jones, David A.
; APPLICANT: Lasek, Amy W.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981, 353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 178
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1736965CD1
US-09-981-353-178

Query Match 100.0%; Score 326; DB 9; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLWVPGALPOV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLWVPGALPOV 81

RESULT 3
US-09-833-245-2160
; Sequence 2160, Application US/09833245
; Publication No. US20040010134A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Albumin Fusion Proteins
; FILE REFERENCE: PF546PCT
; CURRENT APPLICATION NUMBER: US/09/833, 245
; CURRENT FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/229, 358
; PRIOR FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: 60/256, 931
; PRIOR FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/199, 384
; PRIOR FILING DATE: 2000-04-25
; NUMBER OF SEQ ID NOS: 2267
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2160
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-833-245-2160

Query Match 100.0%; Score 326; DB 11; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLWVPGALPOV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLWVPGALPOV 81

RESULT 4
US-10-028-072-150
; Sequence 150, Application US/10028072
; Publication No. US20030004311A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
US-10-028-072-150

APPLICANT: Deenoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Zhang
TITLE OF INVENTION:
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/028.072
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059836
PRIOR FILING DATE: 1997-09-24
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PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1997-10-24
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PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/063127
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063327
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063329
PRIOR FILING DATE: 1997-10-27
PRIOR APPLICATION NUMBER: 60/063550
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063561
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PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063738
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063755
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064248
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/064809
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PRIOR FILING DATE: 1997-11-17
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PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/066453
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066511
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/069212
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069278
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069334
PRIOR FILING DATE: 1997-12-11
PRIOR APPLICATION NUMBER: 60/069694
PRIOR FILING DATE: 1997-12-16
PRIOR APPLICATION NUMBER: 60/072320
PRIOR FILING DATE: 1998-01-23
PRIOR APPLICATION NUMBER: 60/073612
PRIOR FILING DATE: 1998-02-04
PRIOR APPLICATION NUMBER: 60/074086
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/074092
PRIOR FILING DATE: 1998-02-09
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-02-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081695
PRIOR FILING DATE: 1998-04-14
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081818
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082999
PRIOR FILING DATE: 1998-04-24
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PRIOR FILING DATE: 1998-04-28
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PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085149
PRIOR FILING DATE: 1998-05-12
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13


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; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-22
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; PRIOR APPLICATION NUMBER: 60/08706
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
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; PRIOR FILING DATE: 1998-06-10
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; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
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; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
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; PRIOR FILING DATE: 1998-06-23
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; PRIOR FILING DATE: 1998-06-24
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; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07

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Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 KRRPAKWSGRRTRLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRLMVVPALPOV 57
Db      25 KRRPAKWSGRRTRLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRLMVVPALPOV 81

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RESULT 5
US-10-140-808-150
; Sequence 150, Application US/10140808
; Publication No. US20030017563A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

```

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; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C182
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-808-150

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Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 KRRPAKWSGRRTRLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRLMVVPALPOV 57
Db      25 KRRPAKWSGRRTRLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRLMVVPALPOV 81

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RESULT 6
US-10-121-049-150
; Sequence 150, Application US/10121049
; Publication No. US2003002239A1
; GENERAL INFORMATION:

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; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C17
; CURRENT FILING DATE: 2002-04-12
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-049-150

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Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 KRRPAKWSGRRTRLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRLMVVPALPOV 57
Db      25 KRRPAKWSGRRTRLCCHRVSPNSTNLKGHVRLCKPCKLEPEPRLMVVPALPOV 81

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RESULT 7
US-10-123-904-150
; Sequence 150, Application US/10123904
; Publication No. US20030022328A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C54
; CURRENT APPLICATION NUMBER: US/10/123,904
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-904-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWSGRRTRLCCHRVSPNSNLTNGHHVRLCKPCKLEBPRLMTVVPALPGV 57
DB 25 KRPAKAWSGRRTRLCCHRVSPNSNLTNGHHVRLCKPCKLEBPRLMTVVPALPGV 81

RESULT 8
US-10-140-470-150
; Sequence 150, Application US/10140470
; Publication No. US20030022331A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C160
; CURRENT APPLICATION NUMBER: US/10/140,470
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
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; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-470-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWSGRRTRLCCHRVSPNSNLTNGHHVRLCKPCKLEBPRLMTVVPALPGV 57
DB 25 KRPAKAWSGRRTRLCCHRVSPNSNLTNGHHVRLCKPCKLEBPRLMTVVPALPGV 81

RESULT 9
US-10-175-746-150
; Sequence 150, Application US/10175746
; Publication No. US20030027270A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C353
; CURRENT APPLICATION NUMBER: US/10/175,746
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-746-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWSGRRTRLCCHRVSPNSNLTNGHHVRLCKPCKLEBPRLMTVVPALPGV 57
DB 25 KRPAKAWSGRRTRLCCHRVSPNSNLTNGHHVRLCKPCKLEBPRLMTVVPALPGV 81

RESULT 10
US-10-176-918-150
; Sequence 150, Application US/10176918
; Publication No. US20030027275A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Godowski, Paul J.
```

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; APPLICANT: Gurney,Austin L.
; APPLICANT: Sherwood,Steven
; APPLICANT: Smith,Victoria
; APPLICANT: Stewart,Timothy A.
; APPLICANT: Tumas,Daniel
; APPLICANT: Watanabe,Colin K
; APPLICANT: Wood,William
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C382
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-918-150
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Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30; Indels 0; Gaps 0;
Matches 57; Conservative 0; Mismatches 0;
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Oy 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMWVPGALPOV 57
Db 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMWVPGALPOV 81
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RESULT 11
US-10-176-921-150
; Sequence 150, Application US/10176921
; Publication No. US20030027276A1
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; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C288
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-921-150
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Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30; Indels 0; Gaps 0;
Matches 57; Conservative 0; Mismatches 0;
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Oy 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMWVPGALPOV 57
Db 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMWVPGALPOV 81
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```

RESULT 12
US-10-137-865-150
; Sequence 150, Application US/10137865
; Publication No. US20030032155A1
; GENERAL INFORMATION:
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; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C154
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-137-865-150
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Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30; Indels 0; Gaps 0;
Matches 57; Conservative 0; Mismatches 0;
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```

Oy 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMWVPGALPOV 57
Db 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMWVPGALPOV 81
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```

RESULT 13
US-10-140-474-150
; Sequence 150, Application US/10140474
; Publication No. US20030032156A1
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; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C162
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
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NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-474-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 57
Db 25 KRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 81

RESULT 14
US-10-142-431-150

Sequence 150, Application US/10142431
Publication No. US20030036179A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C251
CURRENT APPLICATION NUMBER: US/10/142,431
CURRENT FILING DATE: 2002-05-10
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-142-431-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 57
Db 25 KRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 81

RESULT 15
US-10-143-114-150

Sequence 150, Application US/10143114
Publication No. US20030036180A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C211
CURRENT APPLICATION NUMBER: US/10/143,114
CURRENT FILING DATE: 2002-05-09
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-143-114-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 57
Db 25 KRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 81

RESULT 16
US-10-142-419-150

Sequence 150, Application US/10142419
Publication No. US20030044945A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C244
CURRENT APPLICATION NUMBER: US/10/142,419
CURRENT FILING DATE: 2002-05-10
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-142-419-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 57
Db 25 KRPAKAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLMWVPGALPOV 81

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RESULT 17
US-10-123-262-150
; Sequence 150, Application US/10123262
; Publication No. US20030049816A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C38
; CURRENT APPLICATION NUMBER: US/10/123,262
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-262-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPQV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPQV 81

RESULT 18
US-10-142-423-150
; Sequence 150, Application US/10142423
; Publication No. US20030049817A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C249
; CURRENT APPLICATION NUMBER: US/10/142,423
; CURRENT FILING DATE: 2002-05-10
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; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-423-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPQV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPQV 81

RESULT 19
US-10-121-050-150
; Sequence 150, Application US/10121050
; Publication No. US20030054516A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C20
; CURRENT APPLICATION NUMBER: US/10/121,050
; CURRENT FILING DATE: 2002-04-12
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-050-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPQV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVVPGALPQV 81

RESULT 20
US-10-141-755-150
; Sequence 150, Application US/10141755
; Publication No. US20030054517A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C249
; CURRENT APPLICATION NUMBER: US/10/141,755
; CURRENT FILING DATE: 2002-05-10
```

APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C192
CURRENT APPLICATION NUMBER: US/10/141,755
CURRENT FILING DATE: 2002-05-08
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-141-755-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWGRRTRLCCHRVSPNSNLTGKHVRLCKPCKLEPEPRLWVPGALPOV 57
DB 25 KRPAKAWGRRTRLCCHRVSPNSNLTGKHVRLCKPCKLEPEPRLWVPGALPOV 81

RESULT 21
US-10-143-032-150
Sequence 150, Application US/10143032
Publication No. US20030059909A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C245
CURRENT APPLICATION NUMBER: US/10/143,032
CURRENT FILING DATE: 2002-05-10
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-143-032-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWGRRTRLCCHRVSPNSNLTGKHVRLCKPCKLEPEPRLWVPGALPOV 57
DB 25 KRPAKAWGRRTRLCCHRVSPNSNLTGKHVRLCKPCKLEPEPRLWVPGALPOV 81

DB 25 KRPAKAWGRRTRLCCHRVSPNSNLTGKHVRLCKPCKLEPEPRLWVPGALPOV 81

RESULT 22
US-10-123-108-150
Sequence 150, Application US/10123108
Publication No. US20030068793A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltzen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C36
CURRENT APPLICATION NUMBER: US/10/123,108
CURRENT FILING DATE: 2002-04-15
Prior Application Number: 60/049911
Prior Filing Date: 1997-06-18
Prior Application Number: 60/056974
Prior Filing Date: 1997-08-26
Prior Application Number: 60/059113
Prior Filing Date: 1997-09-17
Prior Application Number: 60/059122
Prior Filing Date: 1997-09-17
Prior Application Number: 60/059184
Prior Filing Date: 1997-09-17
Prior Application Number: 60/059263
Prior Filing Date: 1997-09-18
Prior Application Number: 60/059352
Prior Filing Date: 1997-09-19
Prior Application Number: 60/059588
Prior Filing Date: 1997-09-19
Prior Application Number: 60/059836
Prior Filing Date: 1997-09-24
Prior Application Number: 60/062250
Prior Filing Date: 1997-10-17
Prior Application Number: 60/062285
Prior Filing Date: 1997-10-17
Prior Application Number: 60/062287
Prior Filing Date: 1997-10-17
Prior Application Number: 60/062814
Prior Filing Date: 1997-10-24
Prior Application Number: 60/062816
Prior Filing Date: 1997-10-24
Prior Application Number: 60/063045
Prior Filing Date: 1997-10-24
Prior Application Number: 60/063082
Prior Filing Date: 1997-10-31
Prior Application Number: 60/063127
Prior Filing Date: 1997-10-24
Prior Application Number: 60/063327
Prior Filing Date: 1997-10-27
Prior Application Number: 60/063329
Prior Filing Date: 1997-10-27
Prior Application Number: 60/063550

PRIOR FILING DATE: 1997-10-28
 PRIOR APPLICATION NUMBER: 60/063561
 PRIOR FILING DATE: 1997-10-28
 PRIOR APPLICATION NUMBER: 60/063704
 PRIOR FILING DATE: 1997-10-29
 PRIOR APPLICATION NUMBER: 60/063733
 PRIOR FILING DATE: 1997-10-29
 PRIOR APPLICATION NUMBER: 60/063735
 PRIOR FILING DATE: 1997-10-29
 PRIOR APPLICATION NUMBER: 60/063738
 PRIOR FILING DATE: 1997-10-29
 PRIOR APPLICATION NUMBER: 60/063755
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/064248
 PRIOR FILING DATE: 1997-11-03
 PRIOR APPLICATION NUMBER: 60/064809
 PRIOR FILING DATE: 1997-11-07
 PRIOR APPLICATION NUMBER: 60/065186
 PRIOR FILING DATE: 1997-11-12
 PRIOR APPLICATION NUMBER: 60/065846
 PRIOR FILING DATE: 1997-11-17
 PRIOR APPLICATION NUMBER: 60/066364
 PRIOR FILING DATE: 1997-11-21
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 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/066511
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/066770
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/069212
 PRIOR FILING DATE: 1997-12-11
 PRIOR APPLICATION NUMBER: 60/069278
 PRIOR FILING DATE: 1997-12-11
 PRIOR APPLICATION NUMBER: 60/069334
 PRIOR FILING DATE: 1997-12-11
 PRIOR APPLICATION NUMBER: 60/069694
 PRIOR FILING DATE: 1997-12-16
 PRIOR APPLICATION NUMBER: 60/072320
 PRIOR FILING DATE: 1998-01-23
 PRIOR APPLICATION NUMBER: 60/073612
 PRIOR FILING DATE: 1998-02-04
 PRIOR APPLICATION NUMBER: 60/074086
 PRIOR FILING DATE: 1998-02-09
 PRIOR APPLICATION NUMBER: 60/074092
 PRIOR FILING DATE: 1998-02-09
 PRIOR APPLICATION NUMBER: 60/077791
 PRIOR FILING DATE: 1998-03-12
 PRIOR APPLICATION NUMBER: 60/078910
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/079294
 PRIOR FILING DATE: 1998-03-25
 PRIOR APPLICATION NUMBER: 60/079663
 PRIOR FILING DATE: 1998-02-27
 PRIOR APPLICATION NUMBER: 60/079728
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/080165
 PRIOR FILING DATE: 1998-03-31
 PRIOR APPLICATION NUMBER: 60/081203
 PRIOR FILING DATE: 1998-04-09
 PRIOR APPLICATION NUMBER: 60/081229
 PRIOR FILING DATE: 1998-04-09
 PRIOR APPLICATION NUMBER: 60/081695
 PRIOR FILING DATE: 1998-04-14
 PRIOR APPLICATION NUMBER: 60/081817
 PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/081818
 PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/082999
 PRIOR FILING DATE: 1998-04-24
 PRIOR APPLICATION NUMBER: 60/083322
 PRIOR FILING DATE: 1998-04-28
 PRIOR APPLICATION NUMBER: 60/083545
 PRIOR FILING DATE: 1998-04-29

PRIOR APPLICATION NUMBER: 60/084600
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/084627
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/084637
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/085149
 PRIOR FILING DATE: 1998-05-12
 PRIOR APPLICATION NUMBER: 60/085323
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085338
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085339
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085579
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085697
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085704
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/086414
 PRIOR FILING DATE: 1998-05-22
 PRIOR APPLICATION NUMBER: 60/086430
 PRIOR FILING DATE: 1998-05-22
 PRIOR APPLICATION NUMBER: 60/087106
 PRIOR FILING DATE: 1998-05-28
 PRIOR APPLICATION NUMBER: 60/088026
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088730
 PRIOR FILING DATE: 1998-06-10
 PRIOR APPLICATION NUMBER: 60/088741
 PRIOR FILING DATE: 1998-06-10
 PRIOR APPLICATION NUMBER: 60/088810
 PRIOR FILING DATE: 1998-06-10
 PRIOR APPLICATION NUMBER: 60/088858
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 PRIOR FILING DATE: 1998-06-17
 PRIOR APPLICATION NUMBER: 60/089599
 PRIOR FILING DATE: 1998-06-17
 PRIOR APPLICATION NUMBER: 60/089907
 PRIOR FILING DATE: 1998-06-18
 PRIOR APPLICATION NUMBER: 60/089947
 PRIOR FILING DATE: 1998-06-19
 PRIOR APPLICATION NUMBER: 60/090349
 PRIOR FILING DATE: 1998-06-23
 PRIOR APPLICATION NUMBER: 60/090429
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090445
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090538
 PRIOR FILING DATE: 1998-06-24
 PRIOR APPLICATION NUMBER: 60/090863
 PRIOR FILING DATE: 1998-06-26
 PRIOR APPLICATION NUMBER: 60/091360
 PRIOR FILING DATE: 1998-07-01
 PRIOR APPLICATION NUMBER: 60/091519
 PRIOR FILING DATE: 1998-07-02
 PRIOR APPLICATION NUMBER: 60/091982

Query Match 100.0% Score 326; DB 14; Length 81;
 Best Local Similarity 100.0%; Pred. No. 1,1e-30;
 Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAPKAWSGRRTRLCCHRVPSNSTNLKGHHVRLCKPCKLEPPRLWVPGALPOV 57
 |||||||
 DB 25 KRPAPKAWSGRRTRLCCHRVPSNSTNLKGHHVRLCKPCKLEPPRLWVPGALPOV 81

RESULT 23
 US-10-123-236-150
 ; Sequence 150, Application US/10123236
 ; Publication No. US20030068795A1

```
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C3
/ CURRENT APPLICATION NUMBER: US/10/123, 236
/ PRIOR APPLICATION REMOVED - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 150
/ LENGTH: 81
/ TYPE: PRT
/ ORGANISM: Homo Sapien
/ US-10-123-236-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 57
DB      25 KRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 81

RESULT 24
US-10-123-261-150
/ Sequence 150, Application US/10123261
/ Publication No. US20030068796A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C42
/ CURRENT APPLICATION NUMBER: US/10/123, 261
/ PRIOR APPLICATION REMOVED - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 150
/ LENGTH: 81
/ TYPE: PRT
/ ORGANISM: Homo Sapien
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US-10-123-261-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 57
DB      25 KRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 81

RESULT 25
US-10-140-921-150
/ Sequence 150, Application US/10140921
/ Publication No. US20030068797A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C175
/ CURRENT APPLICATION NUMBER: US/10/140, 921
/ PRIOR APPLICATION REMOVED - See File Wrapper or Palm
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 150
/ LENGTH: 81
/ TYPE: PRT
/ ORGANISM: Homo Sapien
/ US-10-140-921-150

RESULT 26
US-10-140-928-150
/ Sequence 150, Application US/10140928
/ Publication No. US20030068798A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ US-10-140-928-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 57
DB      25 KRRPAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 81
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```

; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C16
; CURRENT APPLICATION NUMBER: US/10/140,928
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-928-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY
1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLBPRLMVVPGALPGV 57
25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLBPRLMVVPGALPGV 81

Db
1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLBPRLMVVPGALPGV 57
25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLBPRLMVVPGALPGV 81

RESULT 27
US-10-121-045-150
; Sequence 150, Application US/10121045
; Publication No. US20030073210A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C8
; CURRENT APPLICATION NUMBER: US/10/121,045
; CURRENT FILING DATE: 2002-04-11
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-045-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY
1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLBPRLMVVPGALPGV 57
25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLBPRLMVVPGALPGV 81

Db
1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLBPRLMVVPGALPGV 57
25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLBPRLMVVPGALPGV 81

RESULT 28
US-10-123-292-150
; Sequence 150, Application US/10123292
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; Publication No. US20030073211A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C32
; CURRENT APPLICATION NUMBER: US/10/123,292
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-292-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY
1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLBPRLMVVPGALPGV 57
25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLBPRLMVVPGALPGV 81

Db
1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLBPRLMVVPGALPGV 57
25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLBPRLMVVPGALPGV 81

RESULT 29
US-10-123-903-150
; Sequence 150, Application US/10123903
; Publication No. US20030073212A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C51
; CURRENT APPLICATION NUMBER: US/10/123,903
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
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ORGANISM: Homo Sapien
US-10-123-903-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPGALPOV 57
DB 25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPGALPOV 81

RESULT 30

US-10-124-819-150
Sequence 150, Application US/10124819
Publication No. US2003007321A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C65
CURRENT APPLICATION NUMBER: US/10/124, 819
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-124-819-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPGALPOV 57
DB 25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPGALPOV 81

RESULT 31

US-10-124-822-150
Sequence 150, Application US/10124822
Publication No. US2003007321A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K

APPLICANT: Wood, William

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3330R1C64

CURRENT APPLICATION NUMBER: US/10/124, 822

Prior Application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 550

SEQ ID NO 150

LENGTH: 81

TYPE: PRT

ORGANISM: Homo Sapien

US-10-124-822-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPGALPOV 57
DB 25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPGALPOV 81

RESULT 32

US-10-140-925-150
Sequence 150, Application US/10140925
Publication No. US2003007321A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C187
CURRENT APPLICATION NUMBER: US/10/140, 925
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-140-925-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPGALPOV 57
DB 25 KRBPAAKMSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPGALPOV 81

RESULT 33
US-10-160-498-150

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; Sequence 150, Application US/10160498
; Publication No. US20030073216A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C451
; CURRENT APPLICATION NUMBER: US/10/160,498
; CURRENT FILING DATE: 2002-05-30
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-160-498-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRRPAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVVGALPGV 57
DB      25 KRRPAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVVGALPGV 81

RESULT 34
US-10-124-824-150
; Sequence 150, Application US/10124824
; Publication No. US20030077659A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C68
; CURRENT APPLICATION NUMBER: US/10/124,824
; CURRENT FILING DATE: 2002-04-17
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
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; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-124-824-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRRPAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVVGALPGV 57
DB      25 KRRPAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVVGALPGV 81

RESULT 35
US-10-127-825A-150
; Sequence 150, Application US/10127825A
; Publication No. US20030077710A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C84
; CURRENT APPLICATION NUMBER: US/10/127,825A
; CURRENT FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-825A-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRRPAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVVGALPGV 57
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Db 25 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEBPRLMVVPGALPOV 81

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RESULT 36
US-10-127-829A-150
; Sequence 150, Application US/10127829A
; Publication No. US2003007771A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C85
; CURRENT APPLICATION NUMBER: US/10/127, 829A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-829A-150
```

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Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEBPRLMVVPGALPOV 57
Db 25 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEBPRLMVVPGALPOV 81

RESULT 37
US-10-127-835A-150
; Sequence 150, Application US/10127835A
; Publication No. US2003007771A1
; GENERAL INFORMATION:
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; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P330R1C102
; CURRENT APPLICATION NUMBER: US/10/127, 835A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-835A-150
```

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Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEBPRLMVVPGALPOV 57
Db 25 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCXLEBPRLMVVPGALPOV 81

RESULT 38
US-10-127-839A-150
; Sequence 150, Application US/10127839A
; Publication No. US2003007771A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
```

```
/ APPLICANT: Gurney,Austin L.
/ APPLICANT: Sherwood,Steven
/ APPLICANT: Smith,Victoria
/ APPLICANT: Stewart,Timothy A.
/ APPLICANT: Tumas,Daniel
/ APPLICANT: Watanabe,Colin K
/ APPLICANT: Wood,William
/ APPLICANT: Zhang,Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C105
/ CURRENT FILING DATE: 2002-10-15
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 150
/ LENGTH: 81
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-127-839A-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPPAKAMSGRRTRLCCHRVPSNNTLKGHHVRLCKPCKLPEPRLMWVPGALPOV 57
DB 25 KRPPAKAMSGRRTRLCCHRVPSNNTLKGHHVRLCKPCKLPEPRLMWVPGALPOV 81

RESULT 39
US-10-127-901A-150
/ Sequence 150, Application US/10127901A
/ Publication No. US20030077714A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerlitsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

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/ TITLE OF INVENTION: ACIDS ENCODING THE SAME
/ FILE REFERENCE: P3330R1C105
/ CURRENT FILING DATE: 2002-10-15
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059115
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059117
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059122
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059184
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/059263
/ PRIOR FILING DATE: 1997-09-18
/ PRIOR APPLICATION NUMBER: 60/059352
/ PRIOR FILING DATE: 1997-09-19
/ PRIOR APPLICATION NUMBER: 60/059588
/ PRIOR FILING DATE: 1997-09-19
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 550
/ SEQ ID NO 150
/ LENGTH: 81
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-127-901A-150

Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPPAKAMSGRRTRLCCHRVPSNNTLKGHHVRLCKPCKLPEPRLMWVPGALPOV 57
DB 25 KRPPAKAMSGRRTRLCCHRVPSNNTLKGHHVRLCKPCKLPEPRLMWVPGALPOV 81

RESULT 40
US-10-128-693A-150
/ Sequence 150, Application US/10128693A
/ Publication No. US20030077715A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Beresini, Maureen
/ APPLICANT: Deforge, Laura
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Filvaroff, Ellen
/ APPLICANT: Gao, Wei-Qiang
/ APPLICANT: Gerlitsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Sherwood, Steven
/ APPLICANT: Smith, Victoria
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K
/ APPLICANT: Wood, William
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
/ FILE REFERENCE: P3330R1C120
/ CURRENT FILING DATE: 2002-04-23
/ PRIOR APPLICATION NUMBER: 60/049911
/ PRIOR FILING DATE: 1997-06-18
/ PRIOR APPLICATION NUMBER: 60/056974
/ PRIOR FILING DATE: 1997-08-26
/ PRIOR APPLICATION NUMBER: 60/059113
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; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059164
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-128-693a-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRBPAAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 57
Db      25 KRBPAAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 81

RESULT 41
US-10-131-813a-150
; Sequence 150, Application US/10131813a
; Publication No. US2003007716A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin J.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C139
; CURRENT APPLICATION NUMBER: US/10/131, 813a
; PRIOR FILING DATE: 2002-04-24
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
```

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; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-813a-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRBPAAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 57
Db      25 KRBPAAKAMSGRRTRLCCHRVSPNSNTLKGHHVRLCKPCKLEBPRLMVVPGALPOV 81

RESULT 42
US-10-131-818a-150
; Sequence 150, Application US/10131818a
; Publication No. US2003007717A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C141
; CURRENT APPLICATION NUMBER: US/10/131, 818a
; PRIOR FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
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LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-818A-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPOV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPOV 81

RESULT 43
US-10-131-823A-150
Sequence 150, Application US/10131823A
Publication No. US20030077718A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C143
CURRENT APPLICATION NUMBER: US/10/131,823A
PRIOR FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-823A-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPOV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPOV 81

RESULT 44
US-10-131-824A-150
Sequence 150, Application US/10131824A
Publication No. US20030077719A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C126
CURRENT APPLICATION NUMBER: US/10/131,824A
PRIOR FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-131-824A-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPOV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPOV 81

RESULT 45
US-10-131-830A-150
Sequence 150, Application US/10131830A
Publication No. US20030077720A1

```

; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C137
; CURRENT APPLICATION NUMBER: US/10/131,830A
; PRIOR FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-830A-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRPPAKAWGGRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPERLWVPPALPOV 57
DB      25 KRPPAKAWGGRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPERLWVPPALPOV 81

RESULT 46
US-10-131-837A-150
; Sequence 150, Application US/10131837A
; Publication No. US20030077721A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey

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```

; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C131
; CURRENT APPLICATION NUMBER: US/10/131,837A
; PRIOR FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-131-837A-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRPPAKAWGGRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPERLWVPPALPOV 57
DB      25 KRPPAKAWGGRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPERLWVPPALPOV 81

RESULT 47
US-10-137-872A-150
; Sequence 150, Application US/10137872A
; Publication No. US20030077722A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Thomas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin

```

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; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C150
; CURRENT APPLICATION NUMBER: US/10/137,872A
; PRIOR FILING DATE: 2002-05-03
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining prior application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; TYPE: PRT
; LENGTH: 81
; ORGANISM: Homo Sapien
US-10-137-872A-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCCKLEPPRLWVPGALPQV 57
DB      25 KRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCCKLEPPRLWVPGALPQV 81

RESULT 48
US-10-147-500-150
; Sequence 150, Application US/10147500
; Publication No. US2003007723A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austen J.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C325
; CURRENT APPLICATION NUMBER: US/10/147,500
; PRIOR FILING DATE: 2002-05-16
; Prior application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
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; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-500-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCCKLEPPRLWVPGALPQV 57
DB      25 KRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCCKLEPPRLWVPGALPQV 81

RESULT 49
US-10-147-502-150
; Sequence 150, Application US/10147502
; Publication No. US2003007724A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austen J.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C326
; CURRENT APPLICATION NUMBER: US/10/147,502
; PRIOR FILING DATE: 2002-05-16
; Prior application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-502-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCCKLEPPRLWVPGALPQV 57
DB      25 KRRPAKWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCCKLEPPRLWVPGALPQV 81

RESULT 50
US-10-147-515-150
; Sequence 150, Application US/10147515
; Publication No. US2003007725A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austen J.
; APPLICANT: Sherwood, Steven
```



```
APPLICANT: Smith,Victoria
APPLICANT: Stewart,Timothy A.
APPLICANT: Tumas,Daniel
APPLICANT: Watanabe,Colin K
APPLICANT: Wood,William
APPLICANT: Zhang,Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P333ORIC342
CURRENT APPLICATION NUMBER: US/10/147,515
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Saplen
US-10-147-515-150
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Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVPVPGALPOV 57
DB 25 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVPVPGALPOV 81
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```
RESULT 51
US-10-147-517-150
Sequence 150, Application US/10147517
Publication No. US2003007726A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P333ORIC337
CURRENT APPLICATION NUMBER: US/10/147,517
CURRENT FILING DATE: 2002-05-16
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Saplen
US-10-147-517-150
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Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

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QY 1 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVPVPGALPOV 57
DB 25 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVPVPGALPOV 81
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RESULT 52

```
US-10-147-526-150
Sequence 150, Application US/10147526
Publication No. US2003007727A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P333ORIC343
CURRENT APPLICATION NUMBER: US/10/147,526
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Saplen
US-10-147-526-150
```

```
Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVPVPGALPOV 57
DB 25 KRBPAAKWSGRRTLCCHRVSPNSTNLKGHHVRLCKPCKLEPPRLMVPVPGALPOV 81
```

```
RESULT 53
US-10-147-527-150
Sequence 150, Application US/10147527
Publication No. US2003007728A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerltsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P333ORIC353
CURRENT APPLICATION NUMBER: US/10/147,527
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
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Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-147-527-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 57
|||||
DB 25 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 81
|||||

RESULT 54
US-10-121-041-150
Sequence 150, Application US/10121041
Publication No. US2003007776A1.
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P333ORIC9
CURRENT APPLICATION NUMBER: US/10/121,041
CURRENT FILING DATE: 2002-04-11
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-041-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 57
|||||
DB 25 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 81
|||||

RESULT 55
US-10-121-043-150
Sequence 150, Application US/10121043
Publication No. US2003007777A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.

APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P333ORIC15
CURRENT APPLICATION NUMBER: US/10/121,043
CURRENT FILING DATE: 2002-04-12
Prior Application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-043-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 57
|||||
DB 25 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 81
|||||

RESULT 56
US-10-121-047-150
Sequence 150, Application US/10121047
Publication No. US2003007778A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P333ORIC4
CURRENT APPLICATION NUMBER: US/10/121,047
CURRENT FILING DATE: 2002-04-11
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-121-047-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 57
|||||
DB 25 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 81
|||||

```
RESULT 57
US-10-123-215-150
; Sequence 150, Application US/10123215
; Publication No. US2003007780A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C41
; CURRENT APPLICATION NUMBER: US/10/123,215
; CURRENT FILING DATE: 2002-04-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-215-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWSGRRTRLCCHRVSPNSNLTNKGHHVRLCKPCCKLBEPRMTWVPGALPOV 57
DB 25 KRPAKAWSGRRTRLCCHRVSPNSNLTNKGHHVRLCKPCCKLBEPRMTWVPGALPOV 81

RESULT 58
US-10-123-902-150
; Sequence 150, Application US/10123902
; Publication No. US2003007781A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C47
; CURRENT APPLICATION NUMBER: US/10/123,902
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
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; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-902-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWSGRRTRLCCHRVSPNSNLTNKGHHVRLCKPCCKLBEPRMTWVPGALPOV 57
DB 25 KRPAKAWSGRRTRLCCHRVSPNSNLTNKGHHVRLCKPCCKLBEPRMTWVPGALPOV 81

RESULT 59
US-10-123-908-150
; Sequence 150, Application US/10123908
; Publication No. US2003007782A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C44
; CURRENT APPLICATION NUMBER: US/10/123,908
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-908-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPAKAWSGRRTRLCCHRVSPNSNLTNKGHHVRLCKPCCKLBEPRMTWVPGALPOV 57
DB 25 KRPAKAWSGRRTRLCCHRVSPNSNLTNKGHHVRLCKPCCKLBEPRMTWVPGALPOV 81

RESULT 60
US-10-123-909-150
; Sequence 150, Application US/10123909
; Publication No. US2003007783A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C47
; CURRENT APPLICATION NUMBER: US/10/123,909
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
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; APPLICANT: Gurney,Austin L.
; APPLICANT: Sherwood,Steven
; APPLICANT: Smith,Victoria
; APPLICANT: Stewart,Timothy A.
; APPLICANT: Tumas,Daniel
; APPLICANT: Watanabe,Colin K
; APPLICANT: Wood,William
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C49
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRF
; ORGANISM: Homo Sapien
US-10-123-909-150
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Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 KRBPAAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPALPOV 57
DB 25 KRBPAAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPALPOV 81
```

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RESULT 61
US-10-123-910-150
; Sequence 150, Application US/10123910
; Publication No. US2003007784A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C45
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRF
; ORGANISM: Homo Sapien
US-10-123-910-150
```

```
Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 KRBPAAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPALPOV 57
DB 25 KRBPAAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPALPOV 81
```

```

; APPLICANT: Gurney,Austin L.
; APPLICANT: Sherwood,Steven
; APPLICANT: Smith,Victoria
; APPLICANT: Stewart,Timothy A.
; APPLICANT: Tumas,Daniel
; APPLICANT: Watanabe,Colin K
; APPLICANT: Wood,William
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C49
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRF
; ORGANISM: Homo Sapien
US-10-124-813-150
```

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Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 KRBPAAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPALPOV 57
DB 25 KRBPAAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPALPOV 81
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RESULT 63
US-10-124-817-150
; Sequence 150, Application US/10124817
; Publication No. US2003007786A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C56
; CURRENT FILING DATE: 2002-04-17
; Prior Application removed - See File Wrapper or Palm
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```
Query Match          100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 KRBPAAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPALPOV 57
DB 25 KRBPAAWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPRLMVVPALPOV 81
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NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-124-817-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 57
DB 25 KRPPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 81

RESULT 64
US-10-125-922-150
Sequence 150, Application US/10125922
Publication No. US2003007787A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C73
CURRENT APPLICATION NUMBER: US/10/125,922
CURRENT FILING DATE: 2002-04-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Saplen
US-10-125-922-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 57
DB 25 KRPPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 81

RESULT 65
US-10-125-924-150
Sequence 150, Application US/10125924
Publication No. US2003007788A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C75
CURRENT APPLICATION NUMBER: US/10/125,924
CURRENT FILING DATE: 2002-04-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Saplen
US-10-125-924-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 57
DB 25 KRPPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 81

RESULT 66
US-10-140-860-150
Sequence 150, Application US/10140860
Publication No. US2003007789A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C189
CURRENT APPLICATION NUMBER: US/10/140,860
CURRENT FILING DATE: 2002-05-07
Prior Application removed - See File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Saplen
US-10-140-860-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 57
DB 25 KRPPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRMLWVPGALPOV 81

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RESULT 67
US-10-142-417-150
; Sequence 150, Application US/10142417
; Publication No. US2003007790A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C232
; CURRENT APPLICATION NUMBER: US/10/142,417
; CURRENT FILING DATE: 2002-05-09
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-417-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMVVPGALPOV 57
DB      25 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMVVPGALPOV 81

RESULT 68
US-10-147-519-150
; Sequence 150, Application US/10147519
; Publication No. US2003007791A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C346
; CURRENT APPLICATION NUMBER: US/10/147,519
; CURRENT FILING DATE: 2002-05-17

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; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-147-519-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMVVPGALPOV 57
DB      25 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMVVPGALPOV 81

RESULT 69
US-10-157-782-150
; Sequence 150, Application US/10157782
; Publication No. US2003007792A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C431
; CURRENT APPLICATION NUMBER: US/10/157,782
; CURRENT FILING DATE: 2002-05-29
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-157-782-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMVVPGALPOV 57
DB      25 KRPAKAWGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLMVVPGALPOV 81

RESULT 70
US-10-152-395-150
; Sequence 150, Application US/10152395
; Publication No. US2003007837A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.

```

```
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C405
CURRENT APPLICATION NUMBER: US/10/152,395
CURRENT FILING DATE: 2002-05-21
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-152-395-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAKMSGRRTLCCHRVSPNSNTLKGHHVRLCKPCKLEPEPRLMWVPGALPOV 57
DB 25 KRBPAAKMSGRRTLCCHRVSPNSNTLKGHHVRLCKPCKLEPEPRLMWVPGALPOV 81

RESULT 71
US-10-125-926A-150
Sequence 150, Application US/10125926A
Publication No. US20030082686A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C80
CURRENT APPLICATION NUMBER: US/10/125,926A
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
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PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-125-926A-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAKMSGRRTLCCHRVSPNSNTLKGHHVRLCKPCKLEPEPRLMWVPGALPOV 57
DB 25 KRBPAAKMSGRRTLCCHRVSPNSNTLKGHHVRLCKPCKLEPEPRLMWVPGALPOV 81

RESULT 72
US-10-125-930A-150
Sequence 150, Application US/10125930A
Publication No. US20030082687A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerlitsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P330R1C78
CURRENT APPLICATION NUMBER: US/10/125,930A
CURRENT FILING DATE: 2002-04-19
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
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LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-125-930A-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRRPAKAMSGRRTRLCHRVSPNSNTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 57
DB 25 KRRPAKAMSGRRTRLCHRVSPNSNTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 81

RESULT 73
US-10-127-831A-150
Sequence 150, Application US/10127831A
Publication No. US20030082689A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C107
CURRENT APPLICATION NUMBER: US/10/127, 831A
PRIOR FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-831A-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRRPAKAMSGRRTRLCHRVSPNSNTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 57
DB 25 KRRPAKAMSGRRTRLCHRVSPNSNTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 81

RESULT 74
US-10-127-837A-150
Sequence 150, Application US/10127837A
Publication No. US20030082690A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C96
CURRENT APPLICATION NUMBER: US/10/127, 837A
PRIOR FILING DATE: 2002-10-17
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059352
PRIOR FILING DATE: 1997-09-19
PRIOR APPLICATION NUMBER: 60/059588
PRIOR FILING DATE: 1997-09-19
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 150
LENGTH: 81
TYPE: PRT
ORGANISM: Homo Sapien
US-10-127-837A-150

Query Match 100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRRPAKAMSGRRTRLCHRVSPNSNTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 57
DB 25 KRRPAKAMSGRRTRLCHRVSPNSNTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 81

RESULT 75
US-10-127-838B-150
Sequence 150, Application US/10127838B
Publication No. US20030082691A1


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; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geriltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C98
; CURRENT APPLICATION NUMBER: US/10/127,839B
; PRIOR FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: 60/049911
; PRIOR FILING DATE: 1997-06-18
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059117
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059122
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059184
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059352
; PRIOR FILING DATE: 1997-09-19
; PRIOR APPLICATION NUMBER: 60/059588
; PRIOR FILING DATE: 1997-09-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 150
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-127-839B-150

Query Match      100.0%; Score 326; DB 14; Length 81;
Best Local Similarity 100.0%; Pred. No. 1,1e-30;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KRRPAAWAGRRRLCCRRVPSNNTNLKGHHVRLCKPCKLEPPEPRLWVPGALPOV 57
DB      25 KRRPAAWAGRRRLCCRRVPSNNTNLKGHHVRLCKPCKLEPPEPRLWVPGALPOV 81

Search completed: May 4, 2005, 22:52:56
Job time : 81.6739 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 3, 2005, 20:46:27 ; Search time 20.5435 Seconds

(Without alignments)
294.331 Million cell updates/sec

Title: US-09-724-000A-5

Perfect score: 442
Sequence: 1 MRLVLSLLCILLCFSTF.....PCKLEPRRLWVPGALPOV 81

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents AA:
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2: /cgn2_6/ptodata/1/1aa/5B COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/6A COMB.pep.*
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5: /cgn2_6/ptodata/1/1aa/PTUS COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	442	100.0	81	4 US-09-800-729-96	Sequence 96, Appl
2	442	100.0	109	4 US-09-800-729-184	Sequence 184, Appl
3	71.5	16.2	489	4 US-09-252-991A-18577	Sequence 18577, A
4	70.5	16.0	523	4 US-09-910-174B-11	Sequence 11, Appl
5	70.5	16.0	523	4 US-09-620-461-11	Sequence 11, Appl
6	70.5	16.0	581	4 US-08-724-394A-3	Sequence 3, Appl
7	69	15.6	875	1 US-08-480-547A-10	Sequence 10, Appl
8	69	15.6	875	1 US-08-250-847B-10	Sequence 10, Appl
9	69	15.6	875	2 US-08-453-949A-10	Sequence 10, Appl
10	69	15.6	875	3 US-08-464-410A-10	Sequence 10, Appl
11	68	15.4	1023	4 US-09-270-767-43827	Sequence 43827, A
12	66	14.9	178	4 US-09-252-991A-23975	Sequence 23975, A
13	65.5	14.8	355	4 US-09-252-991A-25895	Sequence 25895, A
14	65	14.7	595	4 US-09-252-991A-30780	Sequence 30780, A
15	64.5	14.6	248	4 US-09-489-039A-12849	Sequence 12849, A
16	64	14.5	273	4 US-08-252-991A-23651	Sequence 23651, A
17	63	14.3	303	4 US-09-252-991A-22757	Sequence 22757, A
18	62.5	14.1	142	4 US-09-800-729-90	Sequence 90, Appl
19	62.5	14.1	146	3 US-08-476-120-8	Sequence 8, Appl
20	62.5	14.1	194	4 US-09-252-991A-27085	Sequence 27085, A
21	62.5	14.1	256	4 US-09-252-991A-23974	Sequence 23974, A
22	62.5	14.1	928	4 US-08-252-991A-25902	Sequence 25902, A
23	62	14.0	192	3 US-09-397-992A-24	Sequence 24, Appl
24	62	14.0	192	4 US-09-971-843-24	Sequence 24, Appl
25	62	14.0	632	1 US-08-295-814E-10	Sequence 10, Appl
26	62	14.0	632	1 US-09-343-361-10	Sequence 10, Appl
27	62	14.0	632	5 PCT-US93-01959-10	Sequence 10, Appl

28	61.5	13.9	172	4 US-09-270-767-36940	Sequence 36940, A
29	61.5	13.9	172	4 US-09-270-767-52157	Sequence 52157, A
30	61.5	13.9	192	4 US-09-252-991A-19447	Sequence 19447, A
31	61.5	13.9	422	4 US-09-949-016-8167	Sequence 8167, Ap
32	61.5	13.9	527	4 US-09-910-174B-10	Sequence 10, Appl
33	61.5	13.9	527	4 US-09-620-461-10	Sequence 10, Appl
34	61.5	13.9	529	4 US-09-910-174B-13	Sequence 13, Appl
35	61.5	13.9	529	4 US-09-620-461-13	Sequence 13, Appl
36	61	13.8	159	3 US-08-991-890-4	Sequence 4, Appl
37	61	13.8	159	4 US-09-518-842-4	Sequence 4, Appl
38	61	13.8	859	4 US-09-902-540-11347	Sequence 11347, A
39	60.5	13.7	247	4 US-09-949-016-6225	Sequence 6225, Ap
40	60.5	13.7	247	5 PCT-US94-10257A-2	Sequence 2, Appl
41	60.5	13.7	258	4 US-09-270-767-57680	Sequence 57680, A
42	60.5	13.7	260	4 US-09-949-016-8243	Sequence 8243, Ap
43	60.5	13.7	359	4 US-09-252-991A-18788	Sequence 18788, A
44	60.5	13.7	607	4 US-08-556-422A-4	Sequence 4, Appl
45	60	13.6	425	4 US-09-252-991A-19692	Sequence 19692, A

ALIGNMENTS

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RESULT 1
US-09-800-729-96
; Sequence 96, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: NI et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044P1
; CURRENT APPLICATION NUMBER: US/09/800,729
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 96
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-96

Query Match      100.0%; Score 442; DB 4; Length 81;
Best Local Similarity 100.0%; Pred. No. 2.9e-48;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MRLVLSLLCILLCFSTFSTGKRRPAKAWGGRTRLCCHRVPSNSTNLKGHVRLC 60

Cy 61 KPKCLEPRRLWVPGALPOV 81
Db 61 KPKCLEPRRLWVPGALPOV 81

RESULT 2
US-09-800-729-184
; Sequence 184, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: NI et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044P1
; CURRENT APPLICATION NUMBER: US/09/800,729
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217

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/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 184
/ LENGTH: 109
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: SITE
/ LOCATION: (3)
/ OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-800-729-184

Query Match
Best Local Similarity 100.0%; Score 442; DB 4; Length 109;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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1 MRLVLSLTCILLCFSTFTEGKRRPAKWSGRRTRLCCHRVSPSPNSTNLKGHHVRLC 60
29 MRLVLSLTCILLCFSTFTEGKRRPAKWSGRRTRLCCHRVSPSPNSTNLKGHHVRLC 88

QY
61 KPCKLEPRLWVVPALPOV 81
89 KPCKLEPRLWVVPALPOV 109

Db
89 KPCKLEPRLWVVPALPOV 109

RESULT 3
US-09-252-991A-18577
/ Sequence 18577, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ PRIOR FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 18577
/ LENGTH: 489
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-18577

Query Match
Best Local Similarity 16.2%; Score 71.5; DB 4; Length 489;
Matches 30; Conservative 2; Mismatches 22; Indels 57; Gaps 4;

Db
23 EGKRRPAKXMS-----GRRTRLCCHRVSPSPNSTNLKGH----- 55
212 QGHRPAGGVSHAVPLRHADLPGRKHLDVNRDHGPGGALGHPRGGRDHRHOGRLAAR 271

QY
56 -----HV-----RLCKPCKLEPRL-----LMVVP 76
272 GORPARAGHTLVNAGADRLRLHPRRLRRRRSGGGRDQEPRLGRHNVVPG 322

Db
272 GORPARAGHTLVNAGADRLRLHPRRLRRRRSGGGRDQEPRLGRHNVVPG 322

RESULT 4
US-09-910-174B-11
/ Sequence 11, Application US/09910174B
/ Patent No. 6630575
/ GENERAL INFORMATION:
/ APPLICANT: Coyle, Anthony J.
/ APPLICANT: Frazer, Christopher C.
/ APPLICANT: Manning, Stephen
/ TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
/ TITLE OF INVENTION: Family and Uses Thereof
/ FILE REFERENCE: 35800/236924
/ CURRENT APPLICATION NUMBER: US/09/910,174B
/ PRIOR FILING DATE: 2001-07-20
/ PRIOR APPLICATION NUMBER: US 09/620,461
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/ PRIOR FILING DATE: 2000-07-20
/ NUMBER OF SEQ ID NOS: 32
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 11
/ LENGTH: 523
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-910-174B-11

Query Match
Best Local Similarity 16.0%; Score 70.5; DB 4; Length 523;
Matches 18; Conservative 8; Mismatches 24; Indels 3; Gaps 1;

Db
4 LVLSLTCILLCFSTFTEGKRRPAKWSGRRTRLCCHRVSPSPNSTNLK 53
15 LVLSLTCILLCFSTFTEGKRRPAKWSGRRTRLCCHRVSPSPNSTNLK 67

QY
15 LVLSLTCILLCFSTFTEGKRRPAKWSGRRTRLCCHRVSPSPNSTNLK 53
15 LVLSLTCILLCFSTFTEGKRRPAKWSGRRTRLCCHRVSPSPNSTNLK 67

Db
15 LVLSLTCILLCFSTFTEGKRRPAKWSGRRTRLCCHRVSPSPNSTNLK 53
15 LVLSLTCILLCFSTFTEGKRRPAKWSGRRTRLCCHRVSPSPNSTNLK 67

RESULT 5
US-09-620-461-11
/ Sequence 11, Application US/09620461
/ Patent No. 6635750
/ GENERAL INFORMATION:
/ APPLICANT: Coyle, Anthony J.
/ APPLICANT: Frazer, Christopher C.
/ APPLICANT: Manning, Stephen
/ TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7
/ TITLE OF INVENTION: Family and Uses Thereof
/ FILE REFERENCE: 5800-149
/ CURRENT APPLICATION NUMBER: US/09/620,461
/ PRIOR FILING DATE: 2000-07-20
/ NUMBER OF SEQ ID NOS: 29
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 11
/ LENGTH: 523
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-620-461-11

Query Match
Best Local Similarity 16.0%; Score 70.5; DB 4; Length 523;
Matches 18; Conservative 8; Mismatches 24; Indels 3; Gaps 1;

Db
4 LVLSLTCILLCFSTFTEGKRRPAKWSGRRTRLCCHRVSPSPNSTNLK 53
15 LVLSLTCILLCFSTFTEGKRRPAKWSGRRTRLCCHRVSPSPNSTNLK 67

QY
15 LVLSLTCILLCFSTFTEGKRRPAKWSGRRTRLCCHRVSPSPNSTNLK 53
15 LVLSLTCILLCFSTFTEGKRRPAKWSGRRTRLCCHRVSPSPNSTNLK 67

Db
15 LVLSLTCILLCFSTFTEGKRRPAKWSGRRTRLCCHRVSPSPNSTNLK 53
15 LVLSLTCILLCFSTFTEGKRRPAKWSGRRTRLCCHRVSPSPNSTNLK 67

RESULT 6
US-08-724-394A-3
/ Sequence 3, Application US/08724394A
/ Patent No. 5872237
/ GENERAL INFORMATION:
/ APPLICANT: Feder, John N.
/ APPLICANT: Krommal, Gregory S.
/ APPLICANT: Lauer, Peter M.
/ APPLICANT: Ruddy, David A.
/ APPLICANT: Thomas, Winston
/ APPLICANT: Tsuchihashi, Zenta
/ APPLICANT: Wolfe, Roger K.
/ TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
/ TITLE OF INVENTION: Sequences and Antibodies Thereo
/ NUMBER OF SEQUENCES: 31
/ CORRESPONDENCE ADDRESS:
/ ADDRESSER: TOWNSEND and TOWNSEND and CREW LLP
/ STREET: Two Embarcadero Center, 8th Floor
/ CITY: San Francisco
/ STATE: CA
/ COUNTRY: USA
/ ZIP: 94111-3834
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724,394A
FILING DATE: 01-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Fitch, Renee A.
REGISTRATION NUMBER: 35,136
REFERENCE/DOCKET NUMBER: 017957-000100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 581 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
FEATURES:
NAME/KEY: Region
LOCATION: 1..581
OTHER INFORMATION: /note= "BTF2"
US-08-724-394A-3

Query Match 16.0%; Score 70.5; DB 2; Length 581;
Best Local Similarity 34.0%; Pred. No. 2.1;
Matches 18; Conservative 8; Mismatches 24; Indels 3; Gaps 1;

QY 4 LVLSLLCLLLCFPSI---FSTEGKRRPAKWSGRTRLCCHRVPSNSTNLK 53
DB 15 LLLLLLLSLCALVSAQPTVVGPNPILAVGENTTLCHLSPEKNAEDME 67

RESULT 7
US-08-480-547A-10
Sequence 10, Application US/08480547A
Patent No. 5652131
GENERAL INFORMATION:
APPLICANT: Beavo, Joseph A.
APPLICANT: Corbin, Jackie D.
APPLICANT: Ferguson, Kenneth M.
APPLICANT: Francis, Sharon H.
APPLICANT: Kadlecik, Ann
APPLICANT: Loughney, Kate
APPLICANT: McAllister-Lucas, Linda M.
APPLICANT: Sonnenburg, William K.
APPLICANT: Thomas, Melissa K.
TITLE OF INVENTION: Cyclic GMP-Binding, Cyclic GMP-Specific
TITLE OF INVENTION: Phosphodiesterase Materials and Methods
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 S. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,547A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 5652131and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 32791
TELECOMMUNICATION INFORMATION:

TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 875 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-480-547A-10

Query Match 15.6%; Score 69; DB 1; Length 875;
Best Local Similarity 36.1%; Pred. No. 5.3;
Matches 22; Conservative 4; Mismatches 27; Indels 8; Gaps 5;

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DB 32 FSFYFKRGTRFEMVNAFAERV---HTIPVCKE-GIKG-HTESCS-CPLOPSPRAESSVP 84

QY 76 G 76
DB 85 G 85

RESULT 8
US-08-250-847B-10
Sequence 10, Application US/08250847B
Patent No. 5702936
GENERAL INFORMATION:
APPLICANT: Beavo, Joseph A.
APPLICANT: Corbin, Jackie D.
APPLICANT: Ferguson, Kenneth M.
APPLICANT: Francis, Sharon H.
APPLICANT: Kadlecik, Ann
APPLICANT: Loughney, Kate
APPLICANT: McAllister-Lucas, Linda M.
APPLICANT: Sonnenburg, William K.
APPLICANT: Thomas, Melissa K.
TITLE OF INVENTION: Cyclic GMP-Binding, Cyclic GMP-Specific
TITLE OF INVENTION: Phosphodiesterase Materials and Methods
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 S. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/250,847B
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/068,051
FILING DATE: 27-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: No. 5702936and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 32083
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 875 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-250-847B-10

Query Match 15.6%; Score 69; DB 1; Length 875;
Best Local Similarity 36.1%; Pred. No. 5.3;
Matches 22; Conservative 4; Mismatches 27; Indels 8; Gaps 5;

QY 17 FSIFSTEGKRPAAKWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPKCLEPRL-WVP 75
DB 32 PSYFVRKGTREVMNMFARV----HTIPVCKE-GIKG-HTSCS-CPLQSPRAESSVP 84

QY 76 G 76
DB 85 G 85

RESULT 9
US-08-463-949A-10
Sequence 10, Application US/08463949A
Patent No. 5955583

GENERAL INFORMATION:

APPLICANT: Beavo, Joseph A.
APPLICANT: Corbin, Jackie D.
APPLICANT: Ferguson, Kenneth M.
APPLICANT: Francis, Sharon H.
APPLICANT: Kadlecsek, Ann
APPLICANT: Loughney, Kate
APPLICANT: McAllister-Lucas, Linda M.
APPLICANT: Sonnenburg, William K.
TITLE OF INVENTION: Cyclic GMP-Binding, Cyclic GMP-Specific
TITLE OF INVENTION: Phosphodiesterase Materials and Methods
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 S. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/463,949A
FILING DATE:
CLASSIFICATION: 536

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/066,051
FILING DATE: 27-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: No. 5955583and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 32706
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 875 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-463-949A-10

Query Match 15.6%; Score 69; DB 2; Length 875;
Best Local Similarity 36.1%; Pred. No. 5.3;
Matches 22; Conservative 4; Mismatches 27; Indels 8; Gaps 5;

QY 17 FSIFSTEGKRPAAKWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPKCLEPRL-WVP 75

DB 32 PSYFVRKGTREVMNMFARV----HTIPVCKE-GIKG-HTSCS-CPLQSPRAESSVP 84

QY 76 G 76
DB 85 G 85

RESULT 10
US-08-464-410A-10
Sequence 10, Application US/08464410A
Patent No. 6037119

GENERAL INFORMATION:

APPLICANT: Beavo, Joseph A.
APPLICANT: Corbin, Jackie D.
APPLICANT: Ferguson, Kenneth M.
APPLICANT: Francis, Sharon H.
APPLICANT: Kadlecsek, Ann
APPLICANT: Loughney, Kate
APPLICANT: McAllister-Lucas, Linda M.
APPLICANT: Sonnenburg, William K.
TITLE OF INVENTION: Cyclic GMP-Binding, Cyclic GMP-Specific
TITLE OF INVENTION: Phosphodiesterase Materials and Methods
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 S. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,410A
FILING DATE: June 5, 1995
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: No. 6037119and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 27866/32705
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 875 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-464-410A-10

Query Match 15.6%; Score 69; DB 3; Length 875;
Best Local Similarity 36.1%; Pred. No. 5.3;
Matches 22; Conservative 4; Mismatches 27; Indels 8; Gaps 5;

QY 17 FSIFSTEGKRPAAKWSGRRTRLCCHRVSPNSTNLKGHHVRLCKPKCLEPRL-WVP 75
DB 32 PSYFVRKGTREVMNMFARV----HTIPVCKE-GIKG-HTSCS-CPLQSPRAESSVP 84

QY 76 G 76
DB 85 G 85

RESULT 11
US-09-270-767-43827
Sequence 43827, Application US/09270767

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; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270.767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43827
; LENGTH: 1023
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-43827

Query Match          15.4%; Score 68; DB 4; Length 1023;
Best Local Similarity 32.3%; Pred. No. 8.6;
Matches 21; Conservative 8; Mismatches 18; Indels 18; Gaps 5;

QY 9 LLLCLLCFSTFTEGKRRPAKMSGRTRLG-----CHRVSPNSTNLKGHHVRLCKP 62
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
DB 866 LSCSLTVC-----SRPAD-WTPR--RVCAIGCSCRLAEXTPTVPSSRRIR-CRP 913

QY 63 CKLEP 67
   |||
DB 914 XKSOP 918

RESULT 12
US-09-252-991A-23975
; Sequence 23975; Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23975
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23975

Query Match          14.9%; Score 66; DB 4; Length 178;
Best Local Similarity 29.7%; Pred. No. 1.8;
Matches 22; Conservative 5; Mismatches 19; Indels 28; Gaps 4;

QY 24 GKRRPAA-----NS---GRTRLCHRVSPNSTNLKGHHVRLCKP 62
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
DB 46 GPRRPVAGRRSCRAPSPGTAGTDSVPRGRSRAACWSPWPCRCENPFRSVRSRCP 105

QY 63 CKLEPRLWVPG 76
   |||
DB 106 SR-----WPMFG 112

RESULT 13
US-09-252-991A-25895
; Sequence 25895; Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 25895
; LENGTH: 355
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-25895

Query Match          14.8%; Score 65.5; DB 4; Length 355;
Best Local Similarity 31.9%; Pred. No. 4.9;
Matches 22; Conservative 5; Mismatches 23; Indels 19; Gaps 4;

QY 26 RRPAAKSGRRTRLCCHRVSPNSTNLKGHHVRLCKPC-----KLEPEPRL- 71
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
DB 152 QRPAGRGRRRRRPRVRRGLRPGG-----GRHVGRRLQPATGNPPEGRPAGRLRPDPHP 207

QY 72 -WVPGALP 79
   |||
DB 208 RRAPEGALP 216

RESULT 14
US-09-252-991A-30780
; Sequence 30780; Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30780
; LENGTH: 595
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30780

Query Match          14.7%; Score 65; DB 4; Length 595;
Best Local Similarity 28.3%; Pred. No. 11;
Matches 15; Conservative 6; Mismatches 18; Indels 14; Gaps 2;

QY 25 KRPAAKSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCCKLEPEPRLWVPGA 77
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
DB 199 RRRPRRW-----RLPEPGAVRRRRHHHPDPPAR-----SRAWPPGA 237

RESULT 15
US-09-489-039A-12849
; Sequence 12849; Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489.039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 12849
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; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 25895
; LENGTH: 355
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-25895

Query Match          14.8%; Score 65.5; DB 4; Length 355;
Best Local Similarity 31.9%; Pred. No. 4.9;
Matches 22; Conservative 5; Mismatches 23; Indels 19; Gaps 4;

QY 26 RRPAAKSGRRTRLCCHRVSPNSTNLKGHHVRLCKPC-----KLEPEPRL- 71
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
DB 152 QRPAGRGRRRRRPRVRRGLRPGG-----GRHVGRRLQPATGNPPEGRPAGRLRPDPHP 207

QY 72 -WVPGALP 79
   |||
DB 208 RRAPEGALP 216

RESULT 14
US-09-252-991A-30780
; Sequence 30780; Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30780
; LENGTH: 595
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30780

Query Match          14.7%; Score 65; DB 4; Length 595;
Best Local Similarity 28.3%; Pred. No. 11;
Matches 15; Conservative 6; Mismatches 18; Indels 14; Gaps 2;

QY 25 KRPAAKSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCCKLEPEPRLWVPGA 77
   |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
DB 199 RRRPRRW-----RLPEPGAVRRRRHHHPDPPAR-----SRAWPPGA 237

RESULT 15
US-09-489-039A-12849
; Sequence 12849; Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489.039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 12849
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LENGTH: 248
TYPE: PRT
ORGANISM: Klebsiella pneumoniae
US-09-489-039A-12849

Query Match 14.6%; Score 64.5; DB 4; Length 248;
Best Local Similarity 33.3%; Pred. No. 4.2;
Matches 27; Conservative 13; Mismatches 26; Indels 15; Gaps 7;
QY 4 LVTSLLCTLL-CFSIFSTEGKRRPAK-----AWSGR-RTRLCHRVSPNSTNLKGHH 56
DB 140 LVTSMLDGLLDVVALFLAARKKNGKETLLVWMSNDDRTRLWLEAW---RLSQRGWH 195
QY 57 VR-LCKPCKLPEPEPRLWVPG 76
DB 196 VNVLAEPLE-SPREPILF--PG 213

Search completed: May 3, 2005, 21:01:50
Job time : 29.5435 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 3, 2005, 20:46:27 ; Search time 14.4565 Seconds
(without alignments)
294.331 Million cell updates/sec

Title: US-09-724-000A-6

Perfect score: 326

Sequence: 1 KRPAKAWSGRRRLCCHRV.....PCKLEPPRLWVPGALPOV 57

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Issued Patents AA:*

1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep:*

2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*

3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*

4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*

5: /cgn2_6/ptodata/1/1aa/PCTUS.COMB.pep:*

6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	326	100.0	81	4	US-09-800-729-96
2	326	100.0	109	4	US-09-800-729-184
3	65.5	20.1	355	4	US-09-252-991A-25895
4	65	19.9	595	4	US-09-252-991A-30780
5	64.5	19.8	489	4	US-09-252-991A-18577
6	61.5	18.9	192	4	US-09-252-991A-19447
7	61	18.7	178	4	US-09-252-991A-23975
8	60	18.4	273	4	US-09-252-991A-23651
9	60	18.4	425	4	US-09-252-991A-19692
10	60	18.4	1023	4	US-09-270-767-43827
11	59.5	18.3	147	4	US-09-252-991A-20644
12	59.5	18.3	256	4	US-09-252-991A-23974
13	59.5	18.3	422	4	US-09-949-016-8167
14	59	18.1	138	4	US-09-252-991A-20292
15	59	18.1	365	3	US-09-113-109-2
16	59	18.1	365	3	US-09-521-109-2
17	59	18.1	365	3	US-09-562-332-2
18	59	18.1	365	3	US-09-949-016-6436
19	59	18.1	436	4	US-09-949-016-7912
20	59	18.1	572	4	US-09-252-991A-23996
21	58.5	17.9	212	4	US-09-252-991A-17649
22	58.5	17.9	607	4	US-08-556-422A-4
23	58	17.8	89	4	US-09-252-991A-22243
24	58	17.8	206	4	US-09-949-016-10713
25	58	17.8	303	4	US-09-252-991A-22757
26	58	17.8	380	4	US-09-667-135-26
27	58	17.8	489	4	US-09-667-135-30

28	57.5	17.6	248	4	US-09-252-991A-29367	Sequence 29367, A
29	57	17.5	205	4	US-09-252-991A-31167	Sequence 31167, A
30	57	17.5	379	4	US-09-667-135-24	Sequence 24, Appl
31	57	17.5	393	2	US-08-467-948A-4	Sequence 4, Appl
32	57	17.5	393	2	US-08-467-947A-4	Sequence 4, Appl
33	57	17.5	742	4	US-09-252-991A-29239	Sequence 29239, A
34	57	17.5	763	2	US-08-742-753-4	Sequence 4, Appl
35	57	17.5	763	4	US-09-949-016-7023	Sequence 7023, Ap
36	57	17.5	768	4	US-09-949-016-8429	Sequence 8429, Ap
37	56.5	17.3	127	3	US-08-467-023-190	Sequence 190, App
38	56.5	17.3	163	4	US-09-489-847-190	Sequence 190, App
39	56.5	17.3	181	4	US-09-489-847-137	Sequence 37, App
40	56.5	17.3	194	4	US-09-252-991A-27085	Sequence 27085, A
41	56.5	17.3	236	2	US-08-494-907-8	Sequence 8, Appl
42	56.5	17.3	236	5	PCT-US96-10986-8	Sequence 8, Appl
43	56.5	17.3	362	4	US-09-252-991A-31016	Sequence 31016, A
44	56.5	17.3	514	3	US-08-467-023-134	Sequence 134, App
45	56.5	17.3	758	2	US-08-874-678-1	Sequence 1, Appl

ALIGNMENTS

```
RESULT 1
US-09-800-729-96
; Sequence 96, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044P1
; CURRENT APPLICATION NUMBER: US/09/800, 729
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155, 709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 96
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-96

Query Match      100.0%; Score 326; DB 4; Length 81;
Best Local Similarity 100.0%; Pred. No. 8e-36;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 KRPAKAWSGRRRLCCHRVPSNSTLKGHHVRLCKPKLEPPRLWVPGALPOV 57
Db      25 KRPAKAWSGRRRLCCHRVPSNSTLKGHHVRLCKPKLEPPRLWVPGALPOV 81

RESULT 2
US-09-800-729-184
; Sequence 184, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044P1
; CURRENT APPLICATION NUMBER: US/09/800, 729
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155, 709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 184
; LENGTH: 109
; TYPE: PRT
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ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (3)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-800-729-184

Query Match 100.0%; Score 326; DB 4; Length 109;
Best Local Similarity 100.0%; Pred. No. 1.1e-35;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRPPAKMSGRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPLWVPGALPGV 57
DB 53 KRPPAKMSGRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPLWVPGALPGV 109

RESULT 3

US-09-252-991A-25895
Sequence 25895, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 25895
LENGTH: 355
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-25895

Query Match 20.1%; Score 65.5; DB 4; Length 355;
Best Local Similarity 31.9%; Pred. No. 1.6;
Matches 22; Conservative 5; Mismatches 23; Indels 19; Gaps 4;

QY 2 RRPAAKMSGRTRLCCHRVSPNSTNLKGHHVRLCKPC-----KLEPEPL- 47
DB 152 GRPAAGMRGRRRPVRRGLPRFG-----GRHVGRRLQDPATGNPGRGPRAGRRLRPDPHLP 207

QY 48 -WVPGALP 55
DB 208 RRAPGAAP 216

RESULT 4

US-09-252-991A-30780
Sequence 30780, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 30780
LENGTH: 595
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30780

Query Match 19.9%; Score 65; DB 4; Length 595;
Best Local Similarity 28.3%; Pred. No. 3.4;
Matches 15; Conservative 6; Mismatches 18; Indels 14; Gaps 2;

QY 1 KRPPAKMSGRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPLWVPGA 53
DB 199 RRRPGRRW-----RLPEPGAVRRRGHHHPDQPAR---SARWPDGA 237

RESULT 5

US-09-252-991A-18577
Sequence 18577, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 18577
LENGTH: 489
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-18577

Query Match 19.8%; Score 64.5; DB 4; Length 489;
Best Local Similarity 26.9%; Pred. No. 3.2;
Matches 29; Conservative 1; Mismatches 21; Indels 57; Gaps 4;

QY 2 RRPAAKMS-----GRRTRLCCHRVSPNSTNLKGH----- 31
DB 215 RRPAGVSHAVPLRRADLPGRRDHLDVARDHDPGNGHGRGRDRHGGRLAAPQR 274

QY 32 -----HV-----RLCKPCKLEPEPR-----LWVPG 52
DB 275 PARGLVLOHAGADLRLHPERLPRRRSGGGDDQDEPLRGRRHWVPG 322

RESULT 6

US-09-252-991A-19447
Sequence 19447, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 19447
LENGTH: 192
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19447

Query Match 18.9%; Score 61.5; DB 4; Length 192;
Best Local Similarity 30.8%; Pred. No. 2.6;
Matches 20; Conservative 10; Mismatches 16; Indels 19; Gaps 3;

QY 1 KRPPAKA-----WGRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPEPLWVVP 51
DB 66 RRRPLRAGPAPGRTGRTR-----AATLAGYRLRGLQRPARRSPGRRRGLRP 115

OY 52 GALPQ 56
Db 116 GYLPR 120

RESULT 7

US-09-252-991A-23975
; Sequence 23975, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23975
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23975

Query Match 18.4%; Score 61; DB 4; Length 178;
Best Local Similarity 29.2%; Pred. No. 2.8;
Matches 21; Conservative 5; Mismatches 18; Indels 28; Gaps 4;

OY 2 RRAKAK-----WS---GRRTRLCRRVPS-PNSTLKGHHVRLCKPCCK 40
Db 48 RREVPAGPRSCRAPSPGTAGTDMVSRGRSRARCRSPSPWCENPRPRVRSRPSR 107
OY 41 LBEPEPLWVVG 52
Db 108 -----WPMVG 112

RESULT 8

US-09-252-991A-23651
; Sequence 23651, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23651
; LENGTH: 273
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23651

Query Match 18.4%; Score 60; DB 4; Length 273;
Best Local Similarity 30.8%; Pred. No. 6.3;
Matches 20; Conservative 2; Mismatches 33; Indels 10; Gaps 2;

OY 1 KRPAKAMSGRRRL---CCHR-----VSPNSTLKGHHVRLCKPCCKLEPEPLWV 50
Db 156 RRAEPPRGRSRRRTTRAKCCSRPRSVAPPSARSPGRCFWRSRGSGRRPRPTAAT 215
OY 51 PGALP 55

Db 216 PSTAP 220

RESULT 9

US-09-252-991A-19692
; Sequence 19692, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 19692
; LENGTH: 425
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19692

Query Match 18.4%; Score 60; DB 4; Length 425;
Best Local Similarity 32.2%; Pred. No. 11;
Matches 19; Conservative 3; Mismatches 27; Indels 10; Gaps 2;

OY 3 RPAKAMSGR-----RTRLCRRVPSNSTLKGHHVRLCKPCCKLEPEPLWVPGALP 55
Db 260 RRGARPRGRGCAVDARTRTSHRRPERSAARAARI---PCRRPGGRRVAPGRDP 314

RESULT 10

US-09-270-767-43827
; Sequence 43827, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; PRIOR FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43827
; LENGTH: 1023
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-43827

Query Match 18.4%; Score 60; DB 4; Length 1023;
Best Local Similarity 35.4%; Pred. No. 30;
Matches 17; Conservative 7; Mismatches 14; Indels 10; Gaps 4;

OY 2 RRAKAMSGRRRLC-----CHRVSPNSTLKGHHVRLCKPCCKLEPEPLWV 43
Db 875 RRPAD-WTRR--RVCAIGCSCRLASXTPTRVPSRRIR-CRXKSGP 918

RESULT 11

US-09-252-991A-20644
; Sequence 20644, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A

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/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 20644
/ LENGTH: 147
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-20644

Query Match          18.3%; Score 59.5; DB 4; Length 147;
Best Local Similarity 29.6%; Pred. No. 3.5;
Matches 21; Conservative 5; Mismatches 26; Indels 19; Gaps 4;

QY 2 RRPAAK-----WS-----GRTTLCCHRVSPNSTLKGHHVRL-----CKPKLEPP 45
DB 3 RRPSPAMSRRCWMSRDSGRSKORSCAMTPARSPCRCAHSRCSRPAVPCRTCATGSVA 62
QY 46 RLW---VVPGA 53
DB 63 RTWRGSAVPCA 73

RESULT 12
US-09-252-991A-23974
/ Sequence 23974, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 23974
/ LENGTH: 256
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23974

Query Match          18.3%; Score 59.5; DB 4; Length 256;
Best Local Similarity 35.3%; Pred. No. 6.8;
Matches 18; Conservative 3; Mismatches 19; Indels 11; Gaps 4;

QY 3 RPAKA-WSGRRRTLCCHRVSPNSTLKGHHVRLCKPK-----LEPPPR 46
DB 11 RPAASWASTCTKTCTC-GRPSF--AICWSRPATCAPCNCATPTSPRPR 57

RESULT 13
US-09-949-016-8167
/ Sequence 8167, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
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/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 8167
/ LENGTH: 422
/ TYPE: PRT
/ ORGANISM: Human
US-09-949-016-8167

Query Match          18.3%; Score 59.5; DB 4; Length 422;
Best Local Similarity 32.2%; Pred. No. 12;
Matches 19; Conservative 6; Mismatches 23; Indels 11; Gaps 4;

QY 3 RPAKWSGRRRTLC-----CHRVSPNS-TNLKGHHVRLCKPKLEPPRLVWVGALP 55
DB 4 RRRRRWGIKPLATCAAPACAVPDPPLCLGARSPLRCR---RRRL--LGAEP 57

RESULT 14
US-09-252-991A-20292
/ Sequence 20292, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 20292
/ LENGTH: 138
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-20292

Query Match          18.1%; Score 59; DB 4; Length 138;
Best Local Similarity 52.0%; Pred. No. 3.8;
Matches 13; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

QY 2 RPAKWSGRRRTLCCHRVSPNST 26
DB 111 RRPAPATARRSGRPSHSPSPGRT 135

RESULT 15
US-09-113-309-2
/ Sequence 2, Application US/09113309A
/ Patent No. 6110738
/ GENERAL INFORMATION:
/ APPLICANT: Zhou, Shilin
/ APPLICANT: Zowel, Leigh
/ APPLICANT: Vogelstein, Bert
/ APPLICANT: Kinzler, Kenneth
/ TITLE OF INVENTION: Human Faec-1 Gene
/ FILE REFERENCE: 01107.10898
/ CURRENT APPLICATION NUMBER: US/09/113,309A
/ CURRENT FILING DATE: 1998-07-10
/ NUMBER OF SEQ ID NOS: 19
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 2
/ LENGTH: 365
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-113-309-2

Query Match          18.1%; Score 59; DB 3; Length 365;
Best Local Similarity 35.4%; Pred. No. 12;
Matches 17; Conservative 3; Mismatches 14; Indels 14; Gaps 3;
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Qy 15 LCCHRVSPNSTNLKGHVR--LCKPCKLEPEPRLW-----VVPg 52
Db 219 LC-----PLPGPTRVEGETVOGAIGPSTLSPEPRAMPPLHLLOGTAVPG 262

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QY	129	GCAGGAGAA	CCAGGCTCTGCTGCACACCGAGTCCCTTAGGCCCACTCAACAAACCTGAAAG	188
Db	171	GCAGGAGAA	CCAGGCTCTGCTGCACACCGAGTCCCTTAGGCCCACTCAACAAACCTGAAAG	230
QY	189	GACATCATGTGAGGCTCTGTAAAC	CCATGGAAGCTTAGCGACGAGCCCGCTTTGGGTGG	248
Db	231	GACATCATGTGAGGCTCTGTAAAC	CCATGGAAGCTTAGCGACGAGCCCGCTTTGGGTGG	290
QY	249	TGCTGGGGCACTCCCA	CAGGTGACACTCCCAANAGCAAGACTCCAGACAGCGGAAAC	308
Db	291	TGCTGGGGCACTCCCA	CAGGTGACACTCCCAANAGCAAGACTCCAGACAGCGGAAAC	350
QY	309	CTCATGCGCGGACCTCGA	AGGTATCCAGAGACCTCTGTCCTCCCTTTAGACCTTCAAGC	368
Db	351	CTCATGCGCGGACCTCGA	AGGTATCCAGAGACCTCTGTCCTCCCTTTAGACCTTCAAGC	410
QY	369	AGTGAGCTGCAATGTTTGA	AGGGCTTCATCTCGGGCTGCAAGGACCCCTGGAAAGTTCCAG	428
Db	411	AGTGAGCTGCAATGTTTGA	AGGGCTTCATCTCGGGCTGCAAGGACCCCTGGAAAGTTCCAG	470
QY	429	AACTCAGCGTCTTGTCT	CAATTGTGCAATCAACTTTCAGAGCTATCATGAGCCAACTTC	488
Db	471	AACTCAGCGTCTTGTCT	CAATTGTGCAATCAACTTTCAGAGCTATCATGAGCCAACTTC	530
QY	489	ACCCCAAGGGCTCAGT	CGCCACATGTGGGCTCTCCAGTGCAAACACCGAGATTTC	548
Db	531	ACCCCAAGGGCTCAGT	CGCCACATGTGGGCTCTCTCAGTGCAAACACCGAGATTTC	590
QY	549	CACCATGACCGGTACAG	GTTACAAATTCAGAGACCATCAATCTCTGTAGAGTCAAGGTG	608
Db	591	CACCATGACCGGTACAG	GTTACAAATTCAGAGACCATCAATCTCTGTAGAGTCAAGGTG	650
QY	609	GGAAGACCCCAAGGGT	GCTGACCAAGACTTCCTTCATCTTCAGGTCCATTTC	668
Db	651	GGAAGACCCCAAGGGT	GCTGACCAAGACTTCCTTCATCTTCAGGTCCATTTC	710
QY	669	AGCCTCTCGGCATTTTA	CTACACAGCATCGAGTGGTCCCCAGGAATCCCTTCTTAGCCTC	728
Db	711	AGCCTCTCGGCATTTTA	CTACACAGCATCGAGTGGTCCCCAGGAATCCCTTCTTAGCCTC	770
QY	729	CTGACATGAGTCTGCTG	AAAGAGCATCCAAACAAAGTAATTAATTAATTAATTAAC	788
Db	771	CTGACATGAGTCTGCTG	AAAGAGCATCCAAACAAAGTAATTAATTAATTAATTAAC	830
QY	789	TCGAATGCAGACACAAAA	806	
Db	831	TCGAATGCAGACACAAAA	848	
RESULT 2				
US-09-800-729-25				
Sequence 25, Application US/09800729				
Patent No. US20020068319A1				
GENERAL INFORMATION:				
APPLICANT: Ni et al.				
TITLE OF INVENTION: 32 Human secreted proteins				
FILE REFERENCE: P2044P1				
CURRENT APPLICATION NUMBER: US/09/800,729				
PRIOR FILING DATE: 2001-03-08				
PRIOR APPLICATION NUMBER: PCT/US00/26013				
PRIOR FILING DATE: 2000-09-22				
PRIOR APPLICATION NUMBER: 60/155,709				
NUMBER OF SEQ ID NOS: 217				
SOFTWARE: PatentIn Ver. 2.0				
SEQ ID NO 25				
LENGTH: 908				
TYPE: DNA				
ORGANISM: Homo sapiens				
FEATURE:				
NAME/KEY: SITE				
LOCATION: (7)				

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; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (891)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (896)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-800-729-25

Query Match          97.7%: Score 787.4; DB 9; Length 908;
Beet Local Similarity 99.0%: Pred. No. 1.6e+248;
Matches 791; Conservative 1; Mismatches 7; Indels 0; Gaps 0

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OY	8	GGAAAAATCTCCCTTCTCACCATGAGGCTTCTAGTCCCTTCCAGGCTGCTGTATCTCG	67
Db	64	GTGAAAATCTGCGCTTCTTCACCATGAGGCTTCTAGTCCCTTCCAGGCTGCTGTATCTCG	123
OY	68	CTTCTCTGCTTCTCCATCTTCTCCACAGAGGGAGAGGCGCTCTGCCAGAGGCTTGCTCA	127
Db	124	CTTCTCTGCTTCTCCATCTTCTCCACAGAGGGAGAGGCGCTCTGCCAGAGGCTTGCTCA	183
OY	128	GGCAGAGGAACCAAGGCTTGTGTCACCGAGTCCCTTACCCCACTCAACAAACCTGGAAA	187
Db	184	GGCAGAGGAACCAAGGCTTGTGTCACCGAGTCCCTTACCCCACTCAACAAACCTGGAAA	243
OY	188	GGACATCATGTGAGGCTCTGTAAACCATATGCAGAGCTTGAAGCCAGAGCCCGCTTTGGGTG	247
Db	244	GGACATCATGTGAGGCTCTGTAAACCATATGCAGAGCTTGAAGCCAGAGCCCGCTTTGGGTG	303
OY	248	GTGCTCTGGGGCACTTCCACAGGTGTAGCACTCCCAAAGCAGATCTCCAGACGCGAGAA	307
Db	304	GTGCTCTGGGGCACTTCCACAGGTGTAGCACTCCCAAAGCAGATCTCCAGACGCGAGAA	363
OY	308	CCTCATGCTTGGGCACTTGAAGGTACCCAGACAGCTCTGTCTGCCCTTTCAGGCTTTCACAG	367
Db	364	CCTCATGCTTGGGCACTTGAAGGTACCCAGACAGCTCTGTCTGCCCTTTCAGGCTTTCACAG	423
OY	368	CAGTAGCTGCATATGTTGGAGGGGCTTCACTCTCGGGCTGCAGAGACCTTGGGAAAGTTCCA	427
Db	424	CAGTAGCTGCATATGTTGGAGGGGCTTCACTCTCGGGCTGCAGAGACCTTGGGAAAGTTCCA	483
OY	428	GAACTCCACGTTCTTGTCTCAATTGTGCGCATCACTTTTCAGAGCTATCATGAGCCAACT	487
Db	484	GAACTCCACGTTCTTGTCTCAATTGTGCGCATCACTTTTCAGAGCTATCATGAGCCAACT	543
OY	488	CACCCCAAGGGGCTCAGTGGCCACCATGTGGGCTCTCCAGTGGAAACCAAGGACATT	547
Db	544	CACCCCAAGGGGCTCAGTGGCCACCATGTGGGCTCTCCAGTGGAAACCAAGGACATT	603
OY	548	CCACCATGACCGGTACACAGTACCAATCCAGAGCCATCAATCTGTAGAGTGCAGGGT	607
Db	604	CCACCATGACCGGTACACAGTACCAATCCAGAGCCATCAATCTGTAGAGTGCAGGGW	663
OY	608	GGCAAGACCCCAAGGGTGGCTGACCAAGATGTGACAGAGTCTCTCCATCTTTCAGGTCATT	667
Db	664	GGCAAGACCCCAAGGGTGGCTGACCAAGATGTGACAGAGTCTCTCCATCTTTCAGGTCATT	723
OY	668	CAGGCTCTTGGCATTTAACTACACAGATCCAGTGGTCCCAAGGAATCCCTTCTCTAGGCT	727
Db	724	CAGGCTCTTGGCATTTAACTACACAGATCCAGTGGTCCCAAGGAATCCCTTCTCTAGGCT	783
OY	728	CCTGACATGAGTCTGTGCGAAAGAGCATCCAAACAAACAGTAAATAAATAAATAAATAA	787
Db	784	CCTGACATGAGTCTGTGCGAAAGAGCATCCAAACAAACAGTAAATAAATAAATAAATAA	843
OY	788	CTCAATGACAGACAAAAA 806	
Db	844	CTCAAAAAA 862	

RESULT 3
US-09-981-353-177
; Sequence 177, Application US/09981353

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 3, 2005, 16:56:31 ; Search time 185 Seconds
(without alignments)
7128.860 Million cell updates/sec

Title: US-09-724-000A-4

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Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 4: /cgn2_6/ptodaca/1/ina/6B.COMB.seq:*
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SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	787.4	97.7	908	US-09-800-729-25	Sequence 25, Appl
2	36.4	4.5	505	US-09-621-976-15639	Sequence 15639, A
3	36.2	4.5	61847	US-09-949-016-15677	Sequence 15677, A
4	35.8	4.5	12488	US-09-949-016-13710	Sequence 13710, A
5	35.4	4.4	130724	US-09-949-016-13753	Sequence 13753, A
6	35.4	4.4	729	US-09-535-008-35	Sequence 35, Appl
7	35.4	4.4	72843	US-09-949-016-12574	Sequence 12574, A
8	35.4	4.4	81927	US-09-949-016-15623	Sequence 15623, A
9	34	4.2	76962	US-09-949-016-17482	Sequence 17482, A
10	33.8	4.2	601	US-09-949-016-111615	Sequence 111615, A
11	33.8	4.2	601	US-09-949-016-111616	Sequence 111616, A
12	33.8	4.2	601	US-09-949-016-111763	Sequence 111763, A
13	33.8	4.2	601	US-09-949-016-111764	Sequence 111764, A
14	33.8	4.2	601	US-09-949-016-111909	Sequence 111909, A
15	33.8	4.2	601	US-09-949-016-111910	Sequence 111910, A
16	33.8	4.2	601	US-09-949-016-112054	Sequence 112054, A
17	33.8	4.2	601	US-09-949-016-112055	Sequence 112055, A
18	33.8	4.2	1461	US-09-252-991A-4066	Sequence 4066, Ap
19	33.8	4.2	1509	US-09-252-991A-4080	Sequence 4080, Ap
20	33.8	4.2	2775	US-09-252-991A-4126	Sequence 4126, Ap
21	33.8	4.2	113876	US-09-949-016-14828	Sequence 14828, A
22	33.8	4.2	113876	US-09-949-016-14829	Sequence 14829, A
23	33.8	4.2	113876	US-09-949-016-14830	Sequence 14830, A
24	33.8	4.2	115508	US-09-949-016-14826	Sequence 14826, A
25	33.8	4.2	115508	US-09-949-016-14827	Sequence 14827, A
26	33.6	4.2	13571	US-09-949-016-16244	Sequence 16244, A
27	33.4	4.1	601	US-09-949-016-46366	Sequence 46366, A

C 28	33.4	4.1	1164	US-09-270-767-12184	Sequence 12184, A
C 29	33.4	4.1	10281	US-09-949-016-15812	Sequence 15812, A
C 30	33.4	4.1	57559	US-09-949-016-13077	Sequence 13077, A
C 31	33.4	4.1	57560	US-09-949-016-12536	Sequence 12536, A
C 32	33.2	4.1	832	US-09-621-976-2813	Sequence 2813, Ap
C 33	33.2	4.1	10887	US-09-949-016-13756	Sequence 13756, A
C 34	33.2	4.1	70308	US-09-949-016-15601	Sequence 15601, A
C 35	33.2	4.1	91665	US-09-949-016-12234	Sequence 12234, A
C 36	33	4.1	601	US-09-949-016-46364	Sequence 46364, A
C 37	33	4.1	601	US-09-949-016-46365	Sequence 46365, A
C 38	33	4.1	601	US-09-949-016-53273	Sequence 53273, A
C 39	32.8	4.1	505	US-09-621-976-15677	Sequence 15677, A
C 40	32.8	4.1	601	US-09-949-016-15608	Sequence 15608, A
C 41	32.8	4.1	601	US-09-949-016-69379	Sequence 69379, A
C 42	32.8	4.1	601	US-09-949-016-69381	Sequence 69381, A
C 43	32.8	4.1	49399	US-09-949-016-13780	Sequence 13780, A
C 44	32.8	4.1	50217	US-09-949-016-16067	Sequence 16067, A
C 45	32.8	4.1	636591	US-09-949-016-11808	Sequence 11808, A

ALIGNMENTS

```

RESULT 1
US-09-800-729-25
; Sequence 25, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: NI et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: P2044P1
; CURRENT APPLICATION NUMBER: US/09/800,729
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
; LENGTH: 908
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (7)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (891)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (896)
; OTHER INFORMATION: n equals a,t,g, or c
; OTHER INFORMATION: n equals a,t,g, or c
US-09-800-729-25

Query Match      97.7%; Score 787.4; DB 4; Length 908;
Best Local Similarity 99.0%; Pred. No. 1.1e-249;
Matches 791; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY      8 GGGAAATCTGCGCTTCACCATGAGGCTCTGATCCTTTCAGGCTGCTGATCTG 67
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Db      64 GTGAATCTGCGCTTCACCATGAGGCTCTGATCCTTTCAGGCTGCTGATCTG 123
        GTGAATCTGCGCTTCACCATGAGGCTCTGATCCTTTCAGGCTGCTGATCTG 123
QY      68 CTTCCTGCTTCATCTTCACCATGAGGCTCTGATCCTTTCAGGCTGCTGATCTG 127
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Db      124 CTTCCTGCTTCATCTTCACCATGAGGCTCTGATCCTTTCAGGCTGCTGATCTG 183
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QY      128 GGAAGAGAAACGAGGCTCTGCTGCAACGAGGCTCTGATCCTTTCAGGCTGCTG 167
        GGAAGAGAAACGAGGCTCTGCTGCAACGAGGCTCTGATCCTTTCAGGCTGCTG 167
Db      184 GGAAGAGAAACGAGGCTCTGCTGCAACGAGGCTCTGATCCTTTCAGGCTGCTG 243
        GGAAGAGAAACGAGGCTCTGCTGCAACGAGGCTCTGATCCTTTCAGGCTGCTG 243
QY      188 GGAATCATGATGAGGCTCTGTAACCATGCAAGCTTTCAGGCTGCTGATCTG 247
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Db 244 GGAATCATGTGAGGCTCTGTAAACCATGCAAGCTTGAGCCAGACCCCGCTTTGGGTG 303
QY 248 GTGGCTGGGGGACTCCACAGGTGTAGCACTCCCAAGGAAGCTCCAGACGGGGAGA 307
Db 304 GTGGCTGGGGGACTCCACAGGTGTAGCACTCCCAAGGAAGCTCCAGACGGGGAGA 363
QY 308 CCTCATGCTGGGACCTGAGGTAGCCAGAGGCTCTGTCTCCCTTTAGGCTTTCAGAG 367
Db 364 CCTCATGCTGGGACCTGAGGTAGCCAGAGGCTCTGTCTCTCCCTTTAGGCTTTCAGAG 423
QY 368 CAGTGAAGCTGCAATGTTTGAAGGGCTTCAATCTGGGGCTGCAAGAGACCTTGGAAAGTTCCA 427
Db 424 CAGTGAAGCTGCAATGTTTGAAGGGCTTCAATCTGGGGCTGCAAGAGACCTTGGAAAGTTCCA 483
QY 428 GAATCTCAGGTCTTGTCTCAATTTGTCATCACTTTAGAGCTATCAAGGCCAAAGCT 487
Db 484 GAATCTCAGGTCTTGTCTCAATTTGTCATCACTTTAGAGCTATCAAGGCCAAAGCT 543
QY 488 CAACCCCAAGGGCTCAGTCCGACCATGTGGCTCTTCAGTGAACCAACCGAGCATT 547
Db 544 CAACCCCAAGGGCTCAGTCCGACCATGTGGCTCTTCAGTGAACCAACCGAGCATT 603
QY 548 CCAACCTGACCGGTCAAGCTCAATCAATCAAGAGACCATCAATCTCTTGAAGTCAAGGT 607
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Db 664 GGAAGACACCAAGGGTGGCTGCAAGAGCTGAGAGTCCCTTCATCTTCAAGTGCATT 723
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Db 724 CAGCCTCTGGGCTTTAATCAATCAAGCATCAGTGTCCCAAGGAATCCCTTCTAGCCT 783
QY 728 CCGATCATGATGCTGCTGGAAGAGCATCCAAACAAAGTAATTAATTAATTAATTA 787
Db 784 CCGATCATGATGCTGCTGGAAGAGCATCCAAACAAAGTAATTAATTAATTAATTAAT 843
QY 788 CTCATGACGACACAAAA 806
Db 844 CTCATGACGACACAAAA 862
```

RESULT 2
US-09-621-976-15639/c

```
; Sequence 15639, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; NUMBER OF SEQ ID NOS: 2000-07-21
; SOFTWARE: Patent.pm
; SEQ ID NO 15639
; LENGTH: 505
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-15639
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Query Match 4.5%; Score 36.4; DB 4; Length 505;

Best Local Similarity 10.9%; Pred. No. 0.21; Mismatches 137; Indels 1; Gaps 1;

Matches 36; Conservative 156; Mismatches 137; Indels 1; Gaps 1;

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QY 7 AGGAAATATCTGCTTCCATGAGGCTTCTAGCTTCCAGGCTGCTGATCTCT 66
Db 375 WGRGMAAAARRMAAAGSYCGTSTYSGSKMTGKSGMTKRRMMTTYGMMWTSYKCTK 316
QY 67 GCTTCTCTCTCTTCATCTTCCACAGAGGAGAGGAGGCTGCGCAAGGCTGCTGTC 126
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Db 315 TGKATYTWKSKKTRWTCTSWRKYMMMSGCWARSNKSWSARSWYSMMACWMMASAYRAR 256
QY 127 AGGAGAGAACCCAGGCTCTGCTGCAACCGAGTCCCTAGCCCACTCAACAAACCTGA 186
Db 225 RSMYARRSRSMWAGAGMTWRARGRKARAGKSSWMSKSSMSWMSGKAMCRMMMSCKR 196
QY 187 AGGATCATGATGAGGCTCTGTAAACATGCAAGCTTGAAGCCAGAGCCCGCTTTGGGT 246
Db 195 MYSYCMGS-KCMSCGTGAKMRVARYAKRYASSGKTYMGCRWCYAKCARYGYRSR 137
QY 247 GGTGCTTGGGGCACTCCACAGGTGTAGCACTCCCAAGCAAGACTCCAGACAGGAGGA 306
Db 136 RSTGRCMKYRRRRKMYMMKYMMSWMCYRMGAAMYGSARAYRMYASMSACKMSRMK 77
QY 307 ACCATGCTGCGGACCTGAGGTACCCAGC 336
Db 76 NMWSMMRMCWSRYRCWMSGKMYSCGY 47
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RESULT 3
US-09-949-016-16677/c

```
; Sequence 16677, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16677
; LENGTH: 61847
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16677
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Query Match 4.5%; Score 36.2; DB 4; Length 61847;

Best Local Similarity 48.7%; Pred. No. 6; Mismatches 133; Indels 4; Gaps 1;

Matches 130; Conservative 0; Mismatches 133; Indels 4; Gaps 1;

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QY 516 GTGGGCTCTCCAGTGCAAAACCAAGCATTCACATGACCGGTCAAGCTACAAATC 575
Db 22614 GTGGGACCATTAATAAGCCAACTGAGCCAGAGGCTTTCTGAGCAGACAGGTAGAAAC 22555
QY 576 CAGAGACATCAATCTCTGTAAGTGCAGGGTGGCAAGACCAAGGCTGACCAAG 635
Db 22554 AAATGGCCAAACGATGATCCACAGTAGGAGTGAACAAAGGTGCTCCCTTAATCGCAG 22495
QY 636 ACTGCAAGTCTCCCTCCATCTCAGTCCATTCAGGCTCAATTCAGCC-----TCCGGAATTAATCAACA 691
Db 22494 ACTGCAAGTCTCCCTCCATCTCAGTCCATTCAGGCTCAATTCAGGCTCAATTCAGGCT 22435
QY 692 GCATCAGTGTGCTCCCAAGGAATCCCTCTTCTGAGCTCTGACATGATGCTGTGGAAGA 751
Db 22434 GGATGCTTCTCTTACGAGGCTGTGTTCTGAGCTTTTGAAGTTATTGGGCTCCGAGC 22375
QY 752 GCATCAAAACAAACAAAGTAATTAATTA 778
Db 22374 AAAGCCAATAATCAACCCCTGAGTAA 22348
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RESULT 4
US-09-949-016-13710

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; Sequence 13710, Application US/09949016
; Patent No. 6812339
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GenCore version 5.1.6
Copyright (c) 1993 - 2005. Compugen Ltd.

OM nucleic - nucleic search, using bw model

Run on: May 3, 2005, 17:19:15 ; Search time 3385 Seconds
(without alignments)
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Title: US-09-724-000A-4

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Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 68479088

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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2: gb_est2:*
3: gb_est3:*
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5: gb_est5:*
6: gb_est6:*
7: gb_est7:*
8: gb_est8:*
9: gb_est9:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	593.4	73.6	906	2	BE889580
4	545.8	67.7	557	5	BQ189412
5	488.8	60.6	503	1	AA422178
6	477.2	59.2	489	2	CR742150
7	475	58.9	517	2	AM854263
8	460.8	57.2	467	1	AI831407
9	460.6	57.1	476	2	AM134688
10	460	57.1	460	2	AI983767
11	455.2	56.5	460	2	BF001316
12	451.8	56.1	455	1	AI832391
13	451.8	56.1	457	1	AI304380
14	450	55.8	453	2	AM516596
15	447.4	55.5	450	1	AI948903
16	442.4	54.9	444	1	AI833297
17	436.2	54.1	441	1	AA587764
18	428.4	53.2	430	1	AI283185
19	426.8	53.0	431	1	AI832498
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21	423.6	52.6	487	1	AA553959
22	419.8	52.1	423	1	AI336470
23	418.4	51.9	420	1	AA938765
24	413.2	51.3	429	1	AA857922

25	410	50.9	543	2	AM970357	AM970357	EST82438
26	406	50.4	413	1	AI339648	AI339648	qk63a12.x
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28	403	50.0	466	2	AM351500	AM351500	QV2-CT026
29	402	49.9	427	2	AM361498	AM361498	QV2-CT026
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33	382.4	47.0	384	1	AI336626	AI336626	q062d09.x
34	378.6	47.0	385	2	AM591238	AM591238	x014a06.x
35	377.8	46.9	381	1	AI732376	AI732376	ne80f04.x
36	377.8	46.9	382	1	AI732377	AI732377	ne9e009.x
37	377.2	46.8	394	1	AI744428	AI744428	we9b03.x
38	376.2	46.7	381	1	AA534511	AA534511	ne80f04.x
39	372.6	46.2	381	1	AI285352	AI285352	q138g09.x
40	354.8	44.0	400	1	AI864896	AI864896	w166d04.x
41	347	43.1	357	1	AI766378	AI766378	w161c01.x
42	347	43.1	366	1	AA422086	AA422086	zv31g06.x
43	330	40.9	311	1	AI246768	AI246768	qk40f07.x
44	327.6	40.6	342	1	AI833288	AI833288	at61d09.x
45	324.2	40.2	399	1	AA283751	AA283751	zt19g05.x

ALIGNMENTS

RESULT 1
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LOCUS
DEFINITION
EX111944 Soares ovary tumor NBHOT Homo sapiens CDNA clone
IMAGP98L091748 ; IMAGE:713624, mRNA sequence.

ACCESSION
EX111944
VERSION
EX111944.1
KEYWORDS
EST.

SOURCE
Homo sapiens (human)

REFERENCE
Ebert, L., Heil, O., Hennig, S., Neubert, P., Patsch, E., Peters, M.,
Radelof, U., Schneider, D. and Korn, B.
Human Unigeneset - RZPD3
Unpublished (2003)

TITLE
JOURNAL
COMMENT
RZPD Deutsches Ressourcenzentrum fuer Genomforschung GmbH
Im Neuenheimer Feld 580, D-69120 Heidelberg, Germany
RZPD, IMAGP98L091748.
RZPDLIB: I.M.A.G.E. CDNA Clone Collection;
Human Unigeneset - RZPD3 (RZPDLIB No.972)
http://www.rzpd.de/CloneCards/cgi-bin/showLib.pl.cgi/response?libno=972
RZPD Deutsches Ressourcenzentrum fuer Genomforschung GmbH
Heubergweg 6, D-14059 Berlin, Germany
Tel: +49 30 32639 101
Fax: +49 30 32639 111
www.rzpd.de

FEATURES
source
This clone is available royalty-free from RZPD;
contact RZPD (clone@rzpd.de) for further information. Seq primer:
M13r, Primer sequence: TTTTACACGAGAAACGATGAC.
Location/Qualifiers
1..724
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGP98L091748 ; IMAGE:713624"
/sex="Female"
/tissue_type="ovarian tumor"
/lab_host="DH10B (ampicillin resistant)"
/clone_lib="Soares ovary tumor NBHOT"
/note="Organ: ovary; Vector: pRTT3D (Pharmacia) with a
modified polylinker; Site 1: Not 1; Site 2: Eco RI; 1st
strand cDNA was primed with a Not I - Oligo(dT) primer [5',
TGTTACACATCGAAGTGGAGCGCGCGGCTTTTCTTTTCTTTT 3']"

DR WPI; 2002-122281/16.
XX P-PSDB; AAE16481.
PT Secreted epithelial colon stromal-1 polypeptides and nucleic acids,
PT useful for diagnosing, treating and preventing hematopoietic disorder,
PT osteoporosis, Paget's disease, cancer, diabetes.
XX Claim 1; Fig 2; 134pp; English.
XX
CC The present invention relates to an isolated murine or human secreted
CC epithelial colon stromal-1 (Secs-1) polypeptide, its allelic or splice
CC variant, orthologue, fragment or mutant. Secs-1 gene is used in gene
CC therapy and cell therapy. Secs-1 is useful for identifying a compound
CC which binds to a Secs-1 polypeptide. Secs-1 is useful for treating,
CC preventing or ameliorating a disease condition such as haematopoietic
CC disorder, osteoporosis, osteopetrosis, osteogenesis imperfecta, Paget's
CC disease, periodontal disease, hypercalcaemia, acute glomerulonephritis,
CC chronic glomerulonephritis, cancer, diabetes, obesity or cachexia. Secs-1
CC is also useful for diagnosing a pathological condition which involves
CC determining the presence or amount of Secs-1 or polypeptide encoded by
CC Secs-1 DNA in a sample; and diagnosing a pathological condition, or
CC susceptibility to pathological condition based on the presence or amount
CC of expression of the polypeptide. The present sequence is human Secs-1
CC DNA
XX
SQ Sequence 806 BP; 207 A; 257 C; 179 G; 163 T; 0 U; 0 Other;
XX
Query Match 100.0%; Score 806; DB 6; Length 806;
Best Local Similarity 100.0%; Pred. No. 7,8e-229;
Matches 806; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 61 TATCTGCTTCTCTGCTTCTTCCATCTTCTCAGAGAGGAGGAGGCTGCTGCGAAGC 120
XX
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DB 121 CTGGTAGGAGGAGGAGGAGGCTGCTGCTGCGAAGGAGGCTGCTGCGAAGGAGGCTG 180
XX
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DB 181 CCTGAAAGGACATCATGTAGGAGCTCTGTAACCATCATGAGTGAAGCCAGCCCGCT 240
XX
QY 241 TTGGGTGGTGGCTGGGGGCACTCCACAGGTGTAGCACTCCCAAGCAAGATCTCAGACG 300
DB 241 TTGGGTGGTGGCTGGGGGCACTCCACAGGTGTAGCACTCCCAAGCAAGATCTCAGACG 300
XX
QY 301 CGGAGAACTCATGCTGACCTGACCTGAGGTAACAGAGAGGCTCTGCTCCCTTCAGGC 360
DB 301 CGGAGAACTCATGCTGACCTGAGGTAACAGAGAGGCTCTGCTCCCTTCAGGC 360
XX
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DB 421 AGTTCCAGAACTCCAGCTCTTGTCTCAATTGTGCCATCACTTTCAAGAGCTATCATGAG 480
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DB 481 CCAACCTCAACCCCAAGGGGCTCAAGTCGACACATGTTGGGCTCTCCCAATGCAAAACAC 540
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DB 541 GAGCATTCACATGACCGGTCAAGCTCAAGCTCAAGTCAAGATCTCTGTAAGT 600
XX
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DB 601 GCAAGGTGCAAGACCCCAAGGGTGGCTGACCAAGATGCAAGATCTCTCAATCTTCAG 660
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XX
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XX
QY 781 AATTAATCTCAATGACGACACAAAA 806
DB 781 AATTAATCTCAATGACGACACAAAA 806
XX
RESULT 2
ADQ23124 standard; DNA; 921 BP.
ID ADQ23124
XX
AC ADQ23124;
XX
AC 26-AUG-2004 (first entry)
XX
DT Human soft tissue sarcoma-upregulated DNA - SEQ ID 5944.
XX
DE Human soft tissue sarcoma; cytostatic; gene therapy; vaccine; screening; human;
XX
KW soft tissue sarcoma; cytostatic; gene therapy; vaccine; screening; human;
XX
KW de.
XX
OS Homo sapiens.
XX
PN WO2004048938-A2.
XX
PD 10-JUN-2004.
XX
PR 26-NOV-2003; 2003WO-US038193.
XX
PR 26-NOV-2002; 2002US-0429739P.
XX
PA (PROT-) PROTEIN DESIGN LABS INC.
XX
PI Aziz N, Gineburg WM, Zlotnick A;
XX
DR WPI; 2004-441208/41.
XX
PT Early detection of soft tissue sarcoma comprises determining expression
PT of a gene in a first soft tissue sample and a normal soft tissue sample
PT and comparing the gene expression, also useful in treating soft tissue
PT sarcoma.
XX
PS Example 2; SEQ ID NO 5944; 210bp; English.
XX
CC The invention relates to a novel method for detecting soft tissue sarcoma
CC which comprises obtaining a first soft tissue sample from an individual,
CC and a normal soft tissue sample from the same or different individual,
CC determining the expression of a gene in both samples and comparing the
CC expression of the gene in both soft tissue samples, where a higher level
CC of protein expression in the first soft tissue sample indicates the
CC presence of soft tissue sarcoma. The method of the invention has
CC cytostatic applications and may be useful for detecting soft tissue
CC sarcoma, possibly via gene therapy or vaccine production. The nucleic
CC acid sequences may be useful in diagnostic and screening applications.
CC The current sequence is that of a human soft tissue sarcoma-upregulated
CC DNA of the invention. The current sequence is not shown within the
CC specification per se but was submitted in CD format by the inventor.
XX
SQ Sequence 921 BP; 229 A; 292 C; 220 G; 180 T; 0 U; 0 Other;
XX
Query Match 98.2%; Score 791.6; DB 12; Length 921;
Best Local Similarity 99.5%; Pred. No. 1.6e-224;
Matches 794; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
XX
QY 9 GGAAATATGCTTCTCAGCATGAGGCTTCTAGTCTTTCCAGCCTGCTGTATCTGCTC 68
DB 9 GGAAATATGCTTCTCAGCATGAGGCTTCTAGTCTTTCCAGCCTGCTGTATCTGCTC 68

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 3, 2005, 15:26:48 ; Search time 3856 Seconds

(Without alignments)
10128.346 Million cell updates/sec

Title: US-09-724-000A-4

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Gap 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 9416466

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
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- 3: gb_in:*
- 4: gb_cm:*
- 5: gb_ov:*
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- 10: gb_ro:*
- 11: gb_sts:*
- 12: gb_sy:*
- 13: gb_un:*
- 14: gb_vl:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	782.4	97.1	804	AX464016	Sequence
5	770.8	95.6	804	AY558751	Homo sapi
6	770.8	95.6	801	AX027767	Sequence
7	754.8	93.6	797	AX027773	Sequence
8	623.4	77.3	198481	AC022389	Homo sapi
9	488.8	60.6	503	CQ776806	Sequence
10	482.4	59.9	2063	AK025416	Homo sapi
11	347	43.1	366	AX330090	Sequence
12	347	43.1	366	AX335580	Sequence
13	347	43.1	366	AX408291	Sequence
14	323.4	40.1	485	AX351259	Sequence
15	318.4	39.5	382	AX340424	Sequence
16	151.2	20.0	222	CQ751945	Sequence
17	159.8	19.8	744	AX342215	Sequence
18	118	14.6	744	AF152002	Rattus no
19	111.6	13.8	889	BC049685	Mus muscu

20	96	11.9	742	10	S74257	S74257 2c9 gene (c
21	93	11.5	4159	6	AX342222	AX342222 Sequence
22	91.8	11.4	228	6	AX645776	AX645776 Sequence
23	83.2	10.3	176891	2	AC143950	Macaca mu
24	61.4	7.6	205150	2	AC128725	AC128725 Rattus no
25	61.4	7.6	291918	2	AC115450	AC115450 Rattus no
26	60	7.4	60	6	CQ547100	CQ547100 Sequence
27	50.2	6.2	125020	9	AF429315	AF429315 Homo sapi
28	45.4	5.6	125020	9	AF429315	AF429315 Homo sapi
29	45	5.6	2000	6	AX655393	AX655393 Sequence
30	43	5.3	2000	6	AX655393	AX655393 Sequence
31	43	5.3	189991	10	AL831750	AL831750 Mouse DNA
32	42.4	5.3	173910	6	AX393743	AX393743 Sequence
33	41.4	5.1	173910	9	AC120491	AC120491 Rattus no
34	40	5.0	1999	9	HS4242859	HS4242859 Homo sapi
35	40	5.0	161989	10	AC121144	AC121144 Mus muscu
36	39.2	4.9	164167	2	AC090104	AC090104 Homo sapi
37	39.2	4.9	184351	2	AC079783	AC079783 Homo sapi
38	39.2	4.9	189018	9	AC091185	AC091185 Homo sapi
39	39	4.8	465	11	G94499	G94499 S209P6380RE
40	39	4.8	157494	10	AL606512	AL606512 Mouse DNA
41	38.8	4.8	169367	2	AC102303	AC102303 Mus muscu
42	38.8	4.8	173224	2	AC116813	AC116813 Mus muscu
43	38.6	4.8	286448	2	AC116760	AC116760 Mus muscu
44	38.6	4.8	621	6	AX593314	AX593314 Sequence
45	38.6	4.8	1022	6	AX593326	AX593326 Sequence

ALIGNMENTS

RESULT 1	AX342218	806 bp	DNA	linear	PAT 12-JAN-2002
LOCUS	AX342218	Sequence 4 from Patent WO0198497.			
DEFINITION	AX342218	GI:18151763			
ACCESSION	AX342218.1				
VERSION	AX342218.1				
KEYWORDS					
SOURCE	Homo sapiens (human)				
ORGANISM	Homo sapiens				
REFERENCE	1	Polverino, A.J. and Luehly, R.			
AUTHORS	Secreted epithelial colon stromal-1 polypeptides, nucleic acids				
TITLE	encoding the same and uses thereof				
JOURNAL	Patent: WO 0198497-A 4 27-DEC-2001;				
Amgen, Inc. (US)					
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	/codon_start=1				
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	/db_xref="GI:18151764"				
	/translation="MRLIVSSILCTLLCFSTFTEGRRPAKAWSGRRTRLCRRV				
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	29..100				
ORIGIN	sig_peptide				
Query Match	100.0%; Score 806; DB 6; Length 806;				
Best Local Similarity	100.0%; Pred. No. 9.6e-235;				
Matches	806; Conservative 0; Mismatches 0; Indels 0; Gaps 0;				
QY	1	GGAACGAGGAAATCTGCTTCTACCATGAGCTTTAGTCTTTCACGCTGCTG 60			
DB	1	GGAACGAGGAAATCTGCTTCTACCATGAGCTTTAGTCTTTCACGCTGCTG 60			
QY	61	TATCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTT 120			

Db 61 TATCTGCTCTTCTGCTTCTCATCTTCTCCACAGAAAGGAGAGGCGTCTGCAAGGC 120
QY 121 CTGGTAGGAGAGAGAAACAGAGGCTCTGCTGCGACCGAGTCCCTAGGCCCAACCAACAA 180
Db 121 CTGGTAGGAGAGAGAAACAGAGGCTCTGCTGCGACCGAGTCCCTAGGCCCAACCAACAA 180
QY 181 CCTGAAGAGCATCATGTGAGGCTCTGTAAACCATGCAAGCTTGAAGCCAGAGCCCGCT 240
Db 181 CCTGAAGAGCATCATGTGAGGCTCTGTAAACCATGCAAGCTTGAAGCCAGAGCCCGCT 240
QY 241 TTGGGTGTGTCTCTGGGCACTCCCAAGGTTAGCACTCCCAAGCAAGATCTCAGACAG 300
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QY 301 CGGAGAACCTCATGCTGCGGCACTGAGGTACCGAGAGGCTCTGCTCCCTTTAGAGCC 360
Db 301 CGGAGAACCTCATGCTGCGGCACTGAGGTACCGAGAGGCTCTGCTCCCTTTAGAGCC 360
QY 361 TTTCAGACAGTGAAGTGTGAGAGGCTTCACTCTGCGGCTGCAAGGACCTTGGGAA 420
Db 361 TTTCAGACAGTGAAGTGTGAGAGGCTTCACTCTGCGGCTGCAAGGACCTTGGGAA 420
QY 421 AGTTCAGAACTCAAGTCTTGTCTCAATTGTGCAATCACTTCAAGGCTATCATGAG 480
Db 421 AGTTCAGAACTCAAGTCTTGTCTCAATTGTGCAATCACTTCAAGGCTATCATGAG 480
QY 481 CCAACCTCAACCCCAAGGCGCTGAGTGGCCACATGAGGCGCTCTCAAGTCAAGCAACC 540
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QY 541 GAGCATTTCCACATGACCGGTCAAGCTACAAATCCAGAGACCATCAATCTGTAGAGT 600
Db 541 GAGCATTTCCACATGACCGGTCAAGCTACAAATCCAGAGACCATCAATCTGTAGAGT 600
QY 601 GCAGGTTGGCAAGACCCCAAGGTTGTGCTGACCAAGCTGCAAGTCTCTCCATCTTCA 660
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QY 661 GTTCATTTAGGCTCTGCGCATTTAACTAACAGCATCAAGTGTCCCAAGGAATCCCTTC 720
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QY 721 CTAGCCTCTGACATGATGTCTGTGAAAGAGCATCAAACTAATTAATTAAT 780
Db 721 CTAGCCTCTGACATGATGTCTGTGAAAGAGCATCAAACTAATTAATTAATTAAT 780
QY 781 AATTAATCTAATGACGACCAAAAA 806
Db 781 AATTAATCTAATGACGACCAAAAA 806

RESULT 2
AR374725 908 bp DNA linear PAT 18-DEC-2003
LOCUS AR374725
DEFINITION Sequence 25 from patent US 6605592.
ACCESSION AR374725
VERSION AR374725.1 GI:40077581
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 908)
AUTHORS Ni,J., Baker,K.P., Birse,C.E., Ebner,R., Fliscella,M., Komatsoulis,G.A., Lafleur,D.W., Moore,P.A., Olsen,H.S., Rosen,C.A., Ruben,S.M., Soppet,D.R., Young,P.E., Wei,P. and Florence,K.A.
TITLE Protein HOFV53
JOURNAL Patent: US 6605592-A 25 12-AUG-2003;
FEATURES Location/Qualifiers
1..908
/organism="unknown"
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ORIGIN

Query Match 97.7%; Score 787.4; DB 6; Length 908;
Best Local Similarity 99.0%; Pred. No. 4.7e-229;
Matches 791; Conservative 1; Mismatches 7; Indels 0; Gaps 0;
QY 8 GGGAAATCTGCTTCTCAACATGAGGCTTTAGTCTTTCCAGGCTGCTGTATCTCG 67
Db 64 GTGAAATCTGCTTCTCAACATGAGGCTTTAGTCTTTCCAGGCTGCTGTATCTCG 123
QY 68 CTTCCTGCTTCTCATCTTCTCCACAGAGGAAAGAGGCGCTGCCAAGGCTGTGTA 127
Db 124 CTTCCTGCTTCTCATCTTCTCCACAGAGGAAAGAGGCGCTGCCAAGGCTGTGTA 183
QY 128 GCGAGAGAACAGGCTCTGCTGCCACGAGTCCCTAGGCCCACTCAACAACTGAAA 187
Db 184 GCGAGAGAACAGGCTCTGCTGCCACGAGTCCCTAGGCCCACTCAACAACTGAAA 243
QY 188 GGAATCATGTAGGCTCTGTAAACCATGCAAGCTTGAAGCCAGAGCCCTTTGGGTG 247
Db 244 GGAATCATGTAGGCTCTGTAAACCATGCAAGCTTGAAGCCAGAGCCCTTTGGGTG 303
QY 248 GTGCTGGGGGCACTCCACAGGTGAGCACTCCCAAGCAAGCTCCAGACGCGAGAA 307
Db 304 GTGCTGGGGGCACTCCACAGGTGAGCACTCCCAAGCAAGCTCCAGACGCGAGAA 363
QY 308 CCTCATGCTGCACTGAGTACCAGAGGCTCTGTCTCCCTTCAAGCTTCAAG 367
Db 364 CCTCATGCTGCACTGAGTACCAGAGGCTCTGTCTCCCTTCAAGCTTCAAG 423
QY 368 CAGTGAAGTGCATGTTGAGGGCTTCACTCTGGGCTGCAGAGACCTGGGAAAGTTCCA 427
Db 424 CAGTGAAGTGCATGTTGAGGGCTTCACTCTGGGCTGCAGAGACCTGGGAAAGTTCCA 483
QY 428 GAACTCCAGTCTTGTCTCAATTGTCATGATGTCATCACTTCAAGGCTATCATGAGCAACCT 487
Db 484 GAACTCCAGTCTTGTCTCAATTGTCATGATGTCATCACTTCAAGGCTATCATGAGCAACCT 543
QY 488 CACCCCAAGGCTCTGAGTGGCAACCATGATGGGCTCTCCAGTGAACCAACGAGCAT 547
Db 544 CACCCCAAGGCTCTGAGTGGCAACCATGATGGGCTCTCCAGTGAACCAACGAGCAT 603
QY 548 CCAACATGACCGGTCAAGCTACAAATCCAGAGACCATCAATCTGTGAGTGAAGGT 607
Db 604 CCAACATGACCGGTCAAGCTACAAATCCAGAGACCATCAATCTGTGAGTGAAGGT 663
QY 608 GGCAGACACCCCAAGGTTGTGACCAAGCTGACAGTCTCTCATCTTCAAGTCCATT 667
Db 664 GGCAGACACCCCAAGGTTGTGACCAAGCTGACAGTCTCTCATCTTCAAGTCCATT 723
QY 668 CAGCCTCTGCAATTTAACTACAGACATCAAGTGTCCCAAGGAATCCCTTCTAGCCT 727
Db 724 CAGCCTCTGCAATTTAACTACAGACATCAAGTGTCCCAAGGAATCCCTTCTAGCCT 783
QY 728 CCGACATGAGTGTCTGTGAAAGAGCATTCAAACAAAGTAATTAATTAATTAAT 787
Db 784 CCGACATGAGTGTCTGTGAAAGAGCATTCAAACAAAGTAATTAATTAATTAATTAAT 843
QY 788 CTCGAATGACGACCAAAAA 806
Db 844 CTCGAATGACGACCAAAAA 862

RESULT 3
AR528527 804 bp DNA linear PAT 08-OCT-2004
LOCUS AR528527
DEFINITION Sequence 149 from patent US 6725730.
ACCESSION AR528527
VERSION AR528527.1 GI:53916605
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 804)
AUTHORS Bollinger,C.L. Jr.

TITLE Crane test weight assembly and method
JOURNAL Patent: US 6725730-A 149 27-APR-2004;
FEATURES Location/Qualifiers
SOURCE 1..804
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Query Match 97.1%; Score 782.4; DB 6; Length 804;
Best Local Similarity 99.9%; Pred. No. 1.6e-227;
Matches 783; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 8 GGGAAATCTGCTTCTCCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 67
DB 21 GTGAAATCTGCTTCTCCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 80
QY 68 CTTCTGCTTCTCCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 127
DB 81 CTTCTGCTTCTCCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 140
QY 128 GGGAGAGAACCAAGGCTCTGCTGCAAGGCTCTGCTGCAAGGCTCTGCTG 187
DB 141 GGGAGAGAACCAAGGCTCTGCTGCAAGGCTCTGCTGCAAGGCTCTGCTG 200
QY 188 GGCATCATGTGAGGCTCTGTAACCAATGCAAGGCTGAGCCGCTTGGGTG 247
DB 201 GGCATCATGTGAGGCTCTGTAACCAATGCAAGGCTGAGCCGCTTGGGTG 260
QY 248 GTGCTGGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGCTCCAGACAGGAG 307
DB 261 GTGCTGGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGCTCCAGACAGGAG 320
QY 308 CTTCTGCTTCTCCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 367
DB 321 CTTCTGCTTCTCCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 380
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DB 381 CAGTGAAGTCAATGTGTGAGGCTTCTAGGCTTCTAGGCTTCTAGGCTTCT 440
QY 428 GAACTCCAGTCTTCTCTCAATTTGTGCAATCTTCAAGCTATCATGAGCCAACT 487
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DB 681 CAGCTCTGCTGCAATTTAATCAAGCAATCTGCTGCAAGGCTTCTGCTGCAAG 740
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QY 788 CTCA 791
DB 801 CTCA 804

RESULT 4
AX464016
LOCUS AX464016
DEFINITION Sequence 149 from Patent WO0140466.

ACCESSION AX464016
VERSION AX464016.1 GI:21899025
KEYWORDS
SOURCE
ORGANISM Homo sapiens (human)
REFERENCE
AUTHORS Baker, K.P., Beresini, M., DeForge, L., Desnoyers, L., Filvaroff, E., Gao, M.Q., Gerritsen, M.E., Goddard, A., Godowski, P.J., Gurney, A.L., Sherwood, S., Smith, V., Stewart, T.A., Tumes, D., Watanabe, C.K., Wood, W.L., and Zhang, Z.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding same
JOURNAL Patent: WO 0140466-A 149 07-JUN-2001;
Genentech Inc. (US)
FEATURES Location/Qualifiers
SOURCE 1..804
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Query Match 97.1%; Score 782.4; DB 6; Length 804;
Best Local Similarity 99.9%; Pred. No. 1.6e-227;
Matches 783; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 8 GGGAAATCTGCTTCTCCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 67
DB 21 GTGAAATCTGCTTCTCCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 80
QY 68 CTTCTGCTTCTCCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 127
DB 81 CTTCTGCTTCTCCATGAGGCTTCTAGTCTTCTCCAGGCTCTGTATCTG 140
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DB 141 GGGAGAGAACCAAGGCTCTGCTGCAAGGCTCTGCTGCAAGGCTCTGCTG 200
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DB 201 GGCATCATGTGAGGCTCTGTAACCAATGCAAGGCTGAGCCGCTTGGGTG 260
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QY 608 GGGAGAACCAAGGCTCTGCTGCAAGGCTTCTGCTGCAAGGCTTCTGCTGCAAG 667
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QY 668 CAGCTCTGCTGCAATTTAATCAAGCAATCTGCTGCAAGGCTTCTGCTGCAAG 727

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Qy 788 CTCGA 791
Db 801 CTCGA 804

RESULT 5
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LOCUS Homo sapiens clone DNA92219 RLV1833 (UNQ1833) mRNA, complete cds.
DEFINITION AY358751
ACCESSION AY358751.1 GI:37182620
VERSION FLI_CDNA.
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE
AUTHORS Clark,H.F., Guirney,A.L., Abaya,E., Baker,K., Baldwin,D., Brush,J.,
Chen,J., Chow,B., Chui,C., Crowley,C., Currell,B., Deuel,B.,
Dowd,P., Eaton,D., Foster,J., Grimaldi,C., Gu,Q., Hass,P.E.,
Heldens,S., Huang,A., Kim,H.S., Klimowski,L., Jin,Y., Johnson,S.,
Lee,J., Lewis,L., Liao,D., Mark,M., Robbie,E., Sanchez,C.,
Schoenfeld,J., Seeshagiri,S., Simmons,L., Singh,J., Smith,V.,
Stinson,J., Vagte,A., Vanden,R., Watanabe,C., Wiend,D., Woods,K.,
Xie,M.H., Yaneura,D., Yi,S., Yu,G., Yuan,J., Zhang,M., Zhang,Z.,
Goddard,A., Wood,W.I. and Godowski,P.
The Secreted Protein Discovery Initiative (SPDI), a Large-Scale
Effort to Identify Novel Human Secreted and Transmembrane Proteins:
A Bioinformatics Assessment
JOURNAL Genome Res. 13 (10), 2265-2270 (2003)
PUBMED 12975309
REFERENCE 2 (bases 1 to 804)
AUTHORS Clark,H.F.
TITLE Direct Submission
JOURNAL Submitted (01-AUG-2003) Department of Bioinformatics, Genentech,
Inc., 1 DNA Way, South San Francisco, CA 94080, USA
FEATURES
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ORIGIN
Query Match 97.1%; Score 782.4; DB 9; Length 804;
Best Local Similarity 99.9%; Pred. No. 1.6e-227;
Matches 783; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Db 8 GGAGAAATGTGCTCTTCAACCATAGAGCTTTAGTCTCTTCCAGCTGCTGTGATCTG 67
Qy 21 GTGAAATCTGCTCTTCAACCATAGAGCTTTAGTCTCTTCCAGCTGCTGTGATCTG 80
Db 68 CTTCTCTGCTCTTCAACCATAGAGCTTTAGTCTCTTCCAGCTGCTGTGATCTG 127
Qy 81 CTTCTCTGCTCTTCAACCATAGAGCTTTAGTCTCTTCCAGCTGCTGTGATCTG 140

Qy 128 GGCAGAGAACCAAGGCTCTGTGCGCCAGAGTCCCTAGCCCACTCAACAACTGAAA 187
Db 141 GGCAGAGAACCAAGGCTCTGTGCGCCAGAGTCCCTAGCCCACTCAACAACTGAAA 200
Qy 188 GGCATCATGTGAGGCTCTGTAAACCATGCAAGCTTGAAGCCAGAGCCCTTTGGGTG 247
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Db 261 GTGCTGGGGGCACTCCCAAGGTGAGCATCTCCAAAGCAAGACTCCAGACGGGAGAA 320
Qy 308 CCTCATGCTGTGCACTGAGGTAACCAAGAGCTCTGCTCTCCCTTCAAGCTTCAAG 367
Db 321 CCTCATGCTGTGCACTGAGGTAACCAAGAGCTCTGCTCTCCCTTCAAGCTTCAAG 380
Qy 368 CAGTGAAGTGCATATTTGAGAGGCTTCAATCTTGGGCTGCAAGAGACCTTGGGAAAGTTCCA 427
Db 381 CAGTGAAGTGCATATTTGAGAGGCTTCAATCTTGGGCTGCAAGAGACCTTGGGAAAGTTCCA 440
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Db 441 GAATCCAGCTGCTGTCTCAATTGTGCGATCACTTTCAGAGCTATCATGAGCCAACT 500
Qy 488 CACCCCAAGAGGCTCTGAGTGGCCACATGTGGGCTCTTCCAGTGGCAACCAAGAGCAT 547
Db 501 CACCCCAAGAGGCTCTGAGTGGCCACATGTGGGCTCTTCCAGTGGCAACCAAGAGCAT 560
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Db 561 CCACCATGACCGGTCAACGCTCAACCAATCCAGAGACCATCATCTTCTGTAAGTGCAGGCT 620
Qy 608 GGCAGACACCCAGAGGCTGAGTGGCCAGACCATGAGTCTCTCCATCTTCCAGTGCATT 667
Db 621 GGCAGACACCCAGAGGCTGAGTGGCCAGACCATGAGTCTCTCCATCTTCCAGTGCATT 680
Qy 668 CAGCCTCTGGCATTTAACATACAGCATCCAGTGTCTCCCAAGAGATCCCTTCTAGCCT 727
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Qy 728 CCGACATGATGTCTGTGGAAAGAGCATCCAAACAAGTAATTAATTAATTAATA 787
Db 741 CCGACATGATGTCTGTGGAAAGAGCATCCAAACAAGTAATTAATTAATTAATA 800
Qy 788 CTCGA 791
Db 801 CTCGA 804

RESULT 6
AX027767/c 801 bp DNA linear PAT 16-SEP-2000
LOCUS AX027767
DEFINITION Sequence 1 from Patent WO0043509.
ACCESSION AX027767
VERSION AX027767.1 GI:10188619
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE
AUTHORS Vinals-Bassols,C.
TITLE Novel compounds
JOURNAL Patent: WO 0043509-A 1 27-JUL-2000;
SMITHKLINE BEECHAM BIOLOG (BE) ; VINALS BASSOLS CARLOTTA (BE)
FEATURES
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ORIGIN
Query Match 95.6%; Score 770.8; DB 6; Length 801;

Best Local Similarity 99.5%; Pred. No. 5,66-224;
Matches 794; Conservative 0; Mismatches 2; Indels 2; Gaps 2;

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QY 1 GGAACGAGGGAATATCTGCTTCTCACCATGAGCTTCTAGTCTCTTCCAGCTGCTCTG 60
Db 797 GGAACGAGGGAATATCTGCTTCTCACCATGAGCTTCTAGTCTCTTCCAGCTGCTCTG 738
QY 61 TATCTGCTCTCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 119
Db 737 TATCTGCTCTCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 678
QY 120 CTTGTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 179
Db 677 CTTGTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 618
QY 180 ACTGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 239
Db 617 ACTGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 558
QY 240 TTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 299
Db 557 TTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 499
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Db 498 GCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 439
QY 360 CTTGTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 419
Db 438 CTTGTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 379
QY 420 AAGTTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 479
Db 378 AAGTTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 319
QY 480 GCCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 539
Db 318 GCCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 259
QY 540 CGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 599
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QY 780 TAAATTAATCAATGAG 797
Db 18 TAAATTAATCAATGAG 1
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RESULT 7
AX027773/c 797 bp DNA linear PAT 16-SEP-2000
LOCUS AX027773 Sequence 7 from Patent WO0043509.
ACCESSION AX027773
VERSION AX027773.1 GI:1018625
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryote; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
REFERENCE 1
AUTHORS Vinals-Bassols, C.

TITLE Novel compounds
JOURNAL Patent: WO 0043509-A 7 27-JUL-2000;
FEATURES SMITHKLINE BEECHAM BIOLOG (BE); VINALS BASSOLS CARLOTA (BE)
SOURCE Location/Qualifiers
1. 797
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

Query Match 93.6%; Score 754.8; DB 6; Length 797;
Best Local Similarity 99.4%; Pred. No. 4,36-219;
Matches 789; Conservative 0; Mismatches 2; Indels 3; Gaps 3;

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QY 1 GGAACGAGGGAATATCTGCTTCTCACCATGAGGCTTCTAGTCTCTTCCAGCTGCTCTG 60
Db 793 GGAACGAGGGAATATCTGCTTCTCACCATGAGGCTTCTAGTCTCTTCCAGCTGCTCTG 734
QY 61 TATCTGCTCTCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 119
Db 733 TATCTGCTCTCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 674
QY 120 CTTGTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 179
Db 673 CTTGTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 614
QY 180 ACTGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 239
Db 613 ACTGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 554
QY 240 TTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 299
Db 553 TTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 495
QY 300 GCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 359
Db 494 GCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 435
QY 360 CTTGTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 419
Db 434 CTTGTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 375
QY 420 AAGTTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 479
Db 374 AAGTTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 315
QY 480 GCCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 539
Db 314 GCCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 255
QY 540 CGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 599
Db 254 CGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 195
QY 600 TGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 659
Db 194 TGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 135
QY 660 GGTCAATTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 719
Db 134 GGTCAATTCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 75
QY 720 CCTAGGCTCTCTGATGAGTCTGCTGGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 778
Db 74 CCTAGGCTCTCTGATGAGTCTGCTGGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 15
QY 779 ATAATTAATCAATGAG 792
Db 14 ATAATTAATCAATGAG 1
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RESULT 8
AC022389

LOCUS AC022389 198481 bp DNA linear PRI 04-JUL-2002
DEFINITION Homo sapiens chromosome 10 clone RP11-124L5, complete sequence.
AC022389
AC022389.9 GI:21321764
KEYWORDS HTG.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
1 (bases 1 to 198481)
REFERENCE Smith,D.R.
AUTHORS
TITLE Genome Therapeutics Corporation Sequencing Center: Human Genome
Sequence Data
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 198481)
AUTHORS Smith,D.R.
TITLE Direct Submission
JOURNAL Submitted (03-FEB-2000) Genome Therapeutics Corporation, 100 Beaver
Street, Waltham, MA 02453, USA
REFERENCE 3 (bases 1 to 198481)
AUTHORS Smith,D.R.
TITLE Direct Submission
JOURNAL Submitted (02-MAR-2002) Genome Therapeutics Corporation, 100 Beaver
Street, Waltham, MA 02453, USA
REFERENCE 4 (bases 1 to 198481)
AUTHORS Smith,D.R.
TITLE Direct Submission
JOURNAL Submitted (04-JUN-2002) Genome Therapeutics Corporation, 100 Beaver
Street, Waltham, MA 02453, USA
REFERENCE 5 (bases 1 to 198481)
AUTHORS Smith,D.R.
TITLE Direct Submission
JOURNAL Submitted (08-JUN-2002) Genome Therapeutics Corporation, 100 Beaver
Street, Waltham, MA 02453, USA
REFERENCE 6 (bases 1 to 198481)
AUTHORS Smith,D.R.
TITLE Direct Submission
JOURNAL Submitted (21-JUN-2002) Genome Therapeutics Corporation, 100 Beaver
Street, Waltham, MA 02453, USA
REFERENCE 7 (bases 1 to 198481)
AUTHORS Smith,D.R.
TITLE Direct Submission
JOURNAL Submitted (04-JUL-2002) Genome Therapeutics Corporation, 100 Beaver
Street, Waltham, MA 02453, USA
COMMENT On Jun 4, 2002 this sequence version replaced gi:19071578.
FEATURES
source
1..198481
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
/chromosome="10"
/clone="RP11-124L5"
/clone_1ib="RPCT-11"

ORIGIN
Query Match 77.3%; Score 623.4; DB 9; Length 198481;
Best Local Similarity 97.5%; Pred. No. 1.2e-178;
Matches 633; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
154 CCGAGTCCCTAGCCCACTCAACAACTGAAAGACATCATGAGGCTCTGTAAACC 213
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43060 CCTTGGCCCTTGTACTCATCTGCTCTCCAGACATCATGTAGGCTCTGTAAACC 43119
|||
214 ATGCAAGCTTGAAGCCAGAGCCCGCTTGGGTGGCTCTGGGCACTCCACAGGTGA 273
|||
43120 ATGCAAGCTTGAAGCCAGAGCCCGCTTGGGTGGCTCTGGGCACTCCACAGGTGA 43179
|||
274 GCATCTCCAAAGCAAGATCCAGACAGCGGAGAACTCATGCTGGGCACTTGAAGTACC 333
|||
43180 GCATCTCCAAAGCAAGATCCAGACAGCGGAGAACTCATGCTGGGCACTTGAAGTACC 43239
|||
334 AGCAGCTCTGTCTCTCCCTTTCAAGCTTCAAGCAGTGAAGCTGCAATGTTGAAGGCTT 393
|||

DB 43240 AGCAGCTCTGTCTCTCCCTTTCAAGCTTCAAGCAGTGAAGCTGCAATGTTGAAGGCTT 43299
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QY 394 CATCTGGGCTGCAAGAGCCCTGGGAAAGTTCCAGATCCAGCGTCTGTCTCAATGT 453
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DB 43300 CATCTGGGCTGCAAGAGCCCTGGGAAAGTTCCAGATCCAGCGTCTGTCTCAATGT 43359
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QY 454 GCCATCACTTTCAAGAGTATCATAGAGCAACCTTACCCCAAGGAGCTCACTGCCACC 513
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DB 43360 GCCATCACTTTCAAGAGTATCATAGAGCAACCTTACCCCAAGGAGCTCACTGCCACC 43419
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QY 514 ATGTGGGCTCTCCAGTGCACCAACCCAGAGATTTCCACCATGACGGTCAAGCTACAA 573
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DB 43420 ATGTGGGCTCTCCAGTGCACCAACCCAGAGATTTCCACCATGACGGTCAAGCTACAA 43479
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QY 574 TCCAGAGACATCATCTCGCTAGAGTGAAGGTGGCAAGCAACCCAGGAGTGGTGAACCA 633
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DB 43480 TCCAGAGACATCATCTCGCTAGAGTGAAGGTGGCAAGCAACCCAGGAGTGGTGAACCA 43539
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QY 634 AGACTGAGAGTCTCTCATCTTCAAGTCCATTGAGCTCTGAGCTTTAACTACCAAC 693
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DB 43540 AGACTGAGAGTCTCTCATCTTCAAGTCCATTGAGCTCTGAGCTTTAACTACCAAC 43599
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QY 694 ATCCAGTGTCTCCCAAGAAATCCTTCTTCTGATGATGATCTGTGGAAGAGC 753
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DB 43600 ATCCAGTGTCTCCCAAGAAATCCTTCTTCTGATGATGATCTGTGGAAGAGC 43659
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QY 754 ATCCAAAGCAAGTAATAATAATAATAATACTCAATGACAGACAC 802
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DB 43660 ATCCAAAGCAAGTAATAATAATAATAATACTCAATGACAGACAC 43708
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RESULT 9
LOCUS CQ776806 503 bp DNA linear PAT 11-MAR-2004
DEFINITION Sequence 492 from Patent EP1394274.
ACCESSION CQ776806
VERSION CQ776806.1 GI:45380196
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
1
REFERENCE Ohnishi,N., Sugita,Y., Yamaya,M., Kubo,H., Nagai,H. and Izuhara,K.
AUTHORS
TITLE Methods of testing for bronchial asthma or chronic obstructive
pulmonary disease
JOURNAL Patent: EP 1394274-A 492 03-MAR-2004;
Genex Research, Inc. (JP)
FEATURES
source
1..503
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN
Query Match 60.6%; Score 488.8; DB 6; Length 503;
Best Local Similarity 99.4%; Pred. No. 8.9e-138;
Matches 501; Conservative 0; Mismatches 2; Indels 1; Gaps 1;
14 ATCTGCTCTTCCACCATGAGGCTTCTAGTCTTTTCAGCTGCTGTATCTGCTTCTC 73
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DB 1 ATCTGCTCTTCCACCATGAGGCTTCTAGTCTTTTCAGCTGCTGTATCTGCTTCTC 60
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QY 74 TGTCTTCTCATCTTCTTCCAGAGAGGAGAGGCTCTCTGCAAGGCTGTGTCAAGCAGG 133
|||
DB 61 TGTCTTCTCATCTTCTTCCAGAGAGGAGAGGCTCTCTGCAAGGCTGTGTCAAGCAGG 120
|||
QY 134 AGAACAGAGCTCTGTGTCACAGAGTCCCTGAGCCCACTCAACCAACTGTAAGACAT 193
|||
DB 121 AGAACAGAGCTCTGTGTCACAGAGTCCCTGAGCCCACTCAACCAACTGTAAGACAT 180
|||
QY 194 CATGTAGGCTCTGTAAACATGCAAGCTTGAAGCCAGAGCCGCTTGTGGTGTGCT 253
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Db 181 CATGTGAGGCTCTGTAAACCATGACGAGTGGAGCCCGCTTTGGGTGTGCT 240

Qy 254 GGGGCACTCCCAAGGCTGTAGCACTCCCAAGCAAGACTCCAGACAGCGAAGAACTTCAT 313

Db 241 GGGG-AGTCCCAAGGCTGTAGCACTCCCAAGCAAGACTCCAGACAGCGAAGAACTTCAT 299

Qy 314 GCGTGGACCTGAGGTACCCAGAGGCTCTGTCTCCCTTTGAGCCTTCAAGAGTGA 373

Db 300 GCGTGGACCTGAGGTACCCAGAGGCTCTGTCTCCCTTTGAGCCTTCAAGAGTGA 359

Qy 374 GCTGCAATGTTGAGGAGCTTCATCTCGGGCTGCAAGAACCTTGGAAAGTTCCAGATC 433

Db 360 GCTGCAATGTTGAGGAGCTTCATCTCGGGCTGCAAGAACCTTGGAAAGTTCCAGATC 419

Qy 434 CAGTCTTGTCTCAATTGTCATCACTTTCAGAGCTATCATGAGCCAACTTCAACCC 493

Db 420 CAGTCTTGTCTCAATTGTCATCACTTTCAGAGCTATCATGAGCCAACTTCAACCC 479

Qy 494 ACAAGGCTCAGTGGCCACCATGT 517

Db 480 ACAAGGCTCAGTGGCCACCATGT 503

RESULT 10
AK025416 2063 bp mRNA linear PRI 13-SEP-2003
LOCUS AK025416
DEFINITION Homo sapiens cDNA: FL211763 fls, clone COLF6967.
ACCESSION AK025416.1 GI:10437924
VERSION oligo capping; fls (full insert sequence).
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE 1
Matanabe,K., Kumagai,A., Itakura,S., Yamazaki,M., Tashiro,H., Oca,T., Suzuki,Y., Obayashi,M., Nishi,T., Shibahara,T., Tanaka,T., Nakamura,Y., Isegai,T. and Sugano,S.
NEDO human cDNA sequencing project
Unpublished
2 (bases 1 to 2063)
Sugano,S., Suzuki,Y., Oca,T., Obayashi,M., Nishi,T., Isegai,T., Shibahara,T., Tanaka,T. and Nakamura,Y.
Direct Submission
Submitted (29-AG-2000) Sumio Sugano, Institute of Medical Science, University of Tokyo, Laboratory of Genome Structure Analysis, Human Genome Center, Shirokane-dai, 4-6-1, Minato-ku, Tokyo 108-8639, Japan (E-mail: flicdn@ims.u-tokyo.ac.jp, Tel:81-3-5449-5286, Fax:81-3-5449-5416)

COMMENT NEDO human cDNA sequencing project supported by Ministry of International Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology; cDNA library construction, 5'- & 3'-end one pass sequencing: Department of Virology and Human Genome Center, Institute of Medical Science, University of Tokyo (partly supported by Science and Technology Agency).

FEATURES
source 1. .2063
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606".
/clone="COLF6967"
/issue_type="Colon mucosa"
/clone_id="ColF"
/note="cloning vector pME185FL3"

ORIGIN
Query Match 59.9%; Score 482.4; DB 9; Length 2063;
Best Local Similarity 98.8%; Pred. No. 9.5e-136;
Matches 486; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 8 GGAAGATTCGCTTACCATGAGGCTTACCTTCAGCTTTCAGCTGCTGTATCTCTG 67

Db 94 GTGAAATATGCTCTTCAACCATGAGCTTCTAGTCTTTCAAGCTGTCTGTATCTGT 153

Qy 68 CTTCCTGCTTCTTCATTTCTTCCAGAGAGGAGGCTCTGCAAGGCTGTCTCA 127

Db 154 CTTCCTGCTTCTTCATTTCTTCCAGAGAGGAGGCTCTGCAAGGCTGTCTCA 213

Qy 128 GGCAGAGAACCAAGGCTCTGCTGCAAGGAGGCTCTGAGCCCACTCAAGAACTTGA 187

Db 214 GGCAGAGAACCAAGGCTCTGCTGCAAGGAGGCTCTGAGCCCACTCAAGAACTTGA 273

Qy 188 GGAATATATGAGGCTCTGTAAACCATGACCTTGGAGAGCCGCTTTGGGTG 247

Db 274 GGAATATATGAGGCTCTGTAAACCATGACCTTGGAGAGCCGCTTTGGGTG 333

Qy 248 GTGCTTGGGCACTTCCCAAGGCTGTAGCACTCCCAAGCAAGACTCCAGACAGAA 307

Db 334 GTGCTTGGGCACTTCCCAAGGCTGTAGCACTCCCAAGCAAGACTCCAGACAGAA 393

Qy 308 CTTATGCTTGGGCACTTCCCAAGGCTGTAGCACTCCCAAGCAAGACTCCAGACAG 367

Db 394 CTTATGCTTGGGCACTTCCCAAGGCTGTAGCACTCCCAAGCAAGACTCCAGACAG 453

Qy 368 CAGTGAAGCTGCAATGTTGAGGAGCTTCATCTCGGGCTGCAAGAACCTTGGAAAGTTCCA 427

Db 454 CAGTGAAGCTGCAATGTTGAGGAGCTTCATCTCGGGCTGCAAGAACCTTGGAAAGTTCCA 513

Qy 428 GAACTCCAGCTCTTGTCTCAATTGTCATCACTTTCAGAGCTATCATGAGCCAACT 487

Db 514 GAACTCCAGCTCTTGTCTCAATTGTCATCACTTTCAGAGCTATCATGAGCCAACT 573

Qy 488 CACCCACAGAGG 499

Db 574 CAGCTTTCGAG 585

RESULT 11
AX330090/c 366 bp DNA linear PAT 09-JAN-2002
LOCUS AX330090
DEFINITION Sequence 599 from Patent WO0194629.
ACCESSION AX330090
VERSION AX330090.1 GI:18103068
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE 1
Young,P.E., Augustus,M., Carter,K.C., Ebner,R., Endress,G., Horrigan,S., Soppet,D.R. and Weaver,Z.
Cancer gene determination and therapeutic screening using signature gene sets
Patent: WO 0194629-A 599 13-DEC-2001;
Avalon Pharmaceuticals (US)

COMMENT Location/Qualifiers

FEATURES
source 1. .366
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN
Query Match 43.1%; Score 347; DB 6; Length 366;
Best Local Similarity 98.4%; Pred. No. 2e-94;
Matches 361; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

Qy 357 AGCTTCACAGCAGTGAAGTGTGAGGAGCTTCATCTCGGGCTGCAAGACCTGT 416

Db 366 AGCTTCACAGCAGTGAAGTGTGAGGAGCTTCATCTCGGGCTGCAAGACCTGT 307

Qy 417 GGAAGTTCCAGAACTCCAGCTCTGTCTCAATTGTCATCACTTTCAGAGCTATCA 476

Db 306 GGAAGTTCCAGAACTCCAGCTCTGTCTCAATTGTCATCACTTTCAGAGCTATCA 247

Qy 477 TGAGCAACTCAACCCACAGGAGCTCAGTGGCAGCATGTGGGCTCTCAGTGAAC 536

Db 246 TGAGCCAACTCAACCCACAGGGGCTCAGTCCGACCATGTGGGCTCTCCAGTGCAGAAC 187
QY 537 CACCGAGCAATTCACCATGACCGGTCAACGCTCAAAATCCAGAGCAATCAATCCGTGTA 596
Db 186 CACCGAGCAATTCACCATGACCGGTCAACGCTCAAAATCCAGAGCAATCAATCCGTGTA 127
QY 597 GAGTGCAGGGTGGCAAGCAACCAAGGGTGGCTGACCAAGACTGACAGTCTCTCCATCT 656
Db 126 GAGTGCAGGGTGGCAATGCCCCAAGGGTGGCTGACCAAGACTGACAGTCTCTCCATCT 67
QY 657 TCAGGTTCATTACGCTCTCTGCAATTTAACTACCAAGCATCCAGTGTCTCCCAAGAAATCC 716
Db 66 TCAGGTTCATTACG-CTCCTGGCATTTAACTACCAAGCATCCAGTGTCTCCCAAGAAATCC 8
QY 717 CTTCCCTA 723
Db 7 CTTCCCTA 1

RESULT 12
AX335580/c
LOCUS: AX335580 366 bp DNA linear PAT 09-JUN-2002
DEFINITION: Sequence 6089 from Patent WO0194629.
ACCESSION: AX335580
VERSION: AX335580.1 GI:18126229
KEYWORDS:
SOURCE: Homo sapiens (human)
ORGANISM: Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.

REFERENCE 1
AUTHORS: Young, P.E., Augustus, M., Carter, K.C., Ebner, R., Endress, G.,
Horizgan, S., Soppet, D.R. and Weaver, Z.
TITLE: Cancer gene determination and therapeutic screening using signature
gene sets
JOURNAL: Patent: WO 0194629-A 6089 13-DEC-2001;
Avalon Pharmaceuticals (US)
FEATURES
source 1..366
Location/Qualifiers
1..366
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN

Query Match 43.1%; Score 347; DB 6; Length 366;
Best Local Similarity 98.4%; Pred. No. 2e-94;

Matches 361; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

QY 357 AGCCTTCACAGCAGTGAAGTGAATGTGAGGGCTTCAATCTCGGCTGCAAGACCTTG 416
Db 366 AGCCTTCACAGCAGTGAAGTGAATGTGAGGGCTTCAATCTCGGCTGCAAGACCTTG 307
QY 417 GGAAGTTCCAGAACTCCAGCTCTGTCTCAATTGTGCTCACTTTGAGCTATCA 476
Db 306 GGAAGTTCCAGAACTCCAGCTCTGTCTCAATTGTGCTCACTTTGAGCTATCA 247
QY 477 TGAGCAACCTCAACCCACAGGGGCTCAGTCCGACCATGTGGGCTCTCCAGTGAAC 536
Db 246 TGAGCAACCTCAACCCACAGGGGCTCAGTCCGACCATGTGGGCTCTCCAGTGAAC 187
QY 537 CACCGAGCAATTCACCATGACCGGTCAACGCTCAAAATCCAGAGCAATCAATCCGTGTA 596
Db 186 CACCGAGCAATTCACCATGACCGGTCAACGCTCAAAATCCAGAGCAATCAATCCGTGTA 127
QY 597 GAGTGCAGGGTGGCAAGCAACCAAGGGTGGCTGACCAAGACTGACAGTCTCTCCATCT 656
Db 126 GAGTGCAGGGTGGCAATGCCCCAAGGGTGGCTGACCAAGACTGACAGTCTCTCCATCT 67
QY 657 TCAGGTTCATTACGCTCTCTGCAATTTAACTACCAAGCATCCAGTGTCTCCCAAGAAATCC 716
Db 66 TCAGGTTCATTACG-CTCCTGGCATTTAACTACCAAGCATCCAGTGTCTCCCAAGAAATCC 8

QY 717 CTTCCCTA 723
Db 7 CTTCCCTA 1

RESULT 13
AX408291/c
LOCUS: AX408291 366 bp DNA linear PAT 14-JUN-2002
DEFINITION: Sequence 938 from Patent WO0229103.
ACCESSION: AX408291
VERSION: AX408291.1 GI:21440996
KEYWORDS:
SOURCE: Homo sapiens (human)
ORGANISM: Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.

REFERENCE 1
AUTHORS: Alvarez, C., Horne, D., Pera-da-Silva, S. and Vockley, J.G.
TITLE: Gene expression profiles in liver cancer
JOURNAL: Patent: WO 0229103-A 938 11-APR-2002;
GENE LOGIC INC (US)
FEATURES
source 1..366
Location/Qualifiers
1..366
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
/note="EMBL/GenBank Accession No. AA422086"

ORIGIN

Query Match 43.1%; Score 347; DB 6; Length 366;
Best Local Similarity 98.4%; Pred. No. 2e-94;
Matches 361; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

QY 357 AGCCTTCACAGCAGTGAAGTGAATGTGAGGGCTTCAATCTCGGCTGCAAGACCTTG 416
Db 366 AGCCTTCACAGCAGTGAAGTGAATGTGAGGGCTTCAATCTCGGCTGCAAGACCTTG 307
QY 417 GGAAGTTCCAGAACTCCAGCTCTGTCTCAATTGTGCTCACTTTGAGCTATCA 476
Db 306 GGAAGTTCCAGAACTCCAGCTCTGTCTCAATTGTGCTCACTTTGAGCTATCA 247
QY 477 TGAGCAACCTCAACCCACAGGGGCTCAGTCCGACCATGTGGGCTCTCCAGTGAAC 536
Db 246 TGAGCAACCTCAACCCACAGGGGCTCAGTCCGACCATGTGGGCTCTCCAGTGAAC 187
QY 537 CACCGAGCAATTCACCATGACCGGTCAACGCTCAAAATCCAGAGCAATCAATCCGTGTA 596
Db 186 CACCGAGCAATTCACCATGACCGGTCAACGCTCAAAATCCAGAGCAATCAATCCGTGTA 127
QY 597 GAGTGCAGGGTGGCAAGCAACCAAGGGTGGCTGACCAAGACTGACAGTCTCTCCATCT 656
Db 126 GAGTGCAGGGTGGCAATGCCCCAAGGGTGGCTGACCAAGACTGACAGTCTCTCCATCT 67
QY 657 TCAGGTTCATTACGCTCTCTGCAATTTAACTACCAAGCATCCAGTGTCTCCCAAGAAATCC 716
Db 66 TCAGGTTCATTACG-CTCCTGGCATTTAACTACCAAGCATCCAGTGTCTCCCAAGAAATCC 8
QY 717 CTTCCCTA 723
Db 7 CTTCCCTA 1

RESULT 14
AX351259
LOCUS: AX351259 485 bp DNA linear PAT 06-FEB-2002
DEFINITION: Sequence 6 from Patent WO0196390.
ACCESSION: AX351259
VERSION: AX351259.1 GI:18616606
KEYWORDS:
SOURCE: Homo sapiens (human)
ORGANISM: Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.

REFERENCE

1 Jiang, Y., Hopley, W.T., Clapper, J.D., Wang, A. and Secrist, H.
 TITLE Compositions and methods for the therapy and diagnosis of colon
 cancer

JOURNAL Patent: WO 0196390-A 6 20-DEC-2001;
 CORIXA CORPORATION (US)

FEATURES Location/Qualifiers

source

1..485
 /organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"

ORIGIN

Query Match 40.1%; Score 323.4; DB 6; Length 485;

Best Local Similarity 99.7%; Pred. No. 3.3e-87;

Matches 324; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 8 GGGAAATCTGCTTCTCAGCATGAGGCTTCTAGTCCCTTCCAGCCTGCTGTATCTG 67

Db 58 GTGAAATCTGCTTCTCAGCATGAGGCTTCTAGTCCCTTCCAGCCTGCTGTATCTG 117

QY 68 CTTCTCTGCTTCTCAGCATGAGGCTTCTAGTCCCTTCCAGCCTGCTGTATCTG 127

Db 118 CTTCTCTGCTTCTCAGCATGAGGCTTCTAGTCCCTTCCAGCCTGCTGTATCTG 177

QY 128 GGCAGAGAACCAAGGCTCTGCTGCAACCGAGTCCCTTAGCCCACTCAACAACTGAA 187

Db 178 GGCAGAGAACCAAGGCTCTGCTGCAACCGAGTCCCTTAGCCCACTCAACAACTGAA 237

QY 188 GGCATCATGTGAGGCTCTGTAAACCATGCAAGCTTGAAGCCGCTTGGGTG 247

Db 238 GGCATCATGTGAGGCTCTGTAAACCATGCAAGCTTGAAGCCGCTTGGGTG 297

QY 248 GTGCTGGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGCTCCAGCAGGAGAA 307

Db 298 GTGCTGGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGCTCCAGCAGGAGAA 357

QY 308 CTTGATGCTTGGCACTGAGGTACC 332

Db 358 CTTGATGCTTGGCACTGAGGTACC 382

RESULT 15

AX340424/c 382 bp DNA linear PAT 10-JAN-2002

LOCUS AX340424 Sequence 671 from Patent WO0196388.

DEFINITION AX340424

ACCESSION AX340424

VERSION AX340424.1 GI:18136406

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

FEATURES

source

1..382

/organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"

ORIGIN

Query Match 39.5%; Score 318.4; DB 6; Length 382;

Best Local Similarity 99.1%; Pred. No. 1.1e-85;

Matches 319; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 8 GGGAAATCTGCTTCTCAGCATGAGGCTTCTAGTCCCTTCCAGCCTGCTGTATCTG 67

Db 322 GTGAAATCTGCTTCTCAGCATGAGGCTTCTAGTCCCTTCCAGCCTGCTGTATCTG 263

QY 68 CTTCTGCTTCTCAGCATGAGGCTTCTAGTCCCTTCCAGCCTGCTGTATCTG 127

Db 262 CTTCTGCTTCTCAGCATGAGGCTTCTAGTCCCTTCCAGCCTGCTGTATCTG 203

QY 128 GGCAGAGAACCAAGGCTCTGCTGCAACCGAGTCCCTTAGCCCACTCAACAACTGAA 187

Db 202 GGCAGAGAACCAAGGCTCTGCTGCAACCGAGTCCCTTAGCCCACTCAACAACTGAA 143

QY 188 GGCATCATGTGAGGCTCTGTAAACCATGCAAGCTTGAAGCCGCTTGGGTG 247

Db 142 GGCATCATGTGAGGCTCTGTAAACCATGCAAGCTTGAAGCCGCTTGGGTG 83

QY 248 GTGCTGGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGCTCCAGCAGGAGAA 307

Db 82 GTGCTGGGGCACTCCCAAGGTGTAGCACTCCCAAGCAAGCTCCAGCAGGAGAA 23

QY 308 CTTGATGCTTGGCACTGAGGT 329

Db 22 CTTGATGCTTGGCACTGAGGT 1

Search completed: May 3, 2005, 18:32:28
 Job time : 3865 secs

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OM protein - protein search, using sw model

Run on: May 3, 2005, 18:40:39 ; Search time 76.8913 Seconds

(without alignments)
407.427 Million cell updates/sec

Title: US-09-724-000A-5

Perfect score: 442
Sequence: 1 MRLVLVSLSLCILLCSIF.....PCKLEPRRLWVPGALPV 81

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 2105692 seqs, 386760381 residues

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database:

A_Geneseq_16Dec04:*
1: geneseqp1980s:*
2: geneseqp1980s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	442	100.0	81	4 AAB90558	Aab90558 Human sec
2	442	100.0	81	4 AAB90558	Aab90558 Human sec
3	442	100.0	81	5 AAB90558	Aab90558 Human sec
4	442	100.0	81	5 AAB90558	Aab90558 Human sec
5	442	100.0	81	5 AAB90558	Aab90558 Human sec
6	442	100.0	81	5 AAB90558	Aab90558 Human sec
7	442	100.0	81	5 AAB90558	Aab90558 Human sec
8	442	100.0	81	5 AAB90558	Aab90558 Human sec
9	442	100.0	81	5 AAB90558	Aab90558 Human sec
10	442	100.0	81	5 AAB90558	Aab90558 Human sec
11	442	100.0	81	5 AAB90558	Aab90558 Human sec
12	442	100.0	81	5 AAB90558	Aab90558 Human sec
13	442	100.0	81	5 AAB90558	Aab90558 Human sec
14	442	100.0	81	5 AAB90558	Aab90558 Human sec
15	442	100.0	81	5 AAB90558	Aab90558 Human sec
16	442	100.0	81	5 AAB90558	Aab90558 Human sec
17	442	100.0	81	5 AAB90558	Aab90558 Human sec
18	442	100.0	81	5 AAB90558	Aab90558 Human sec
19	442	100.0	81	5 AAB90558	Aab90558 Human sec
20	442	100.0	81	5 AAB90558	Aab90558 Human sec
21	442	100.0	81	5 AAB90558	Aab90558 Human sec
22	442	100.0	81	5 AAB90558	Aab90558 Human sec
23	442	100.0	81	5 AAB90558	Aab90558 Human sec
24	442	100.0	81	5 AAB90558	Aab90558 Human sec
25	442	100.0	81	5 AAB90558	Aab90558 Human sec

26	442	100.0	81	6 ADA79142	Ada79142 Human PRO
27	442	100.0	81	6 ADA79142	Ada79142 Human PRO
28	442	100.0	81	6 ADA79142	Ada79142 Human PRO
29	442	100.0	81	6 ADA79142	Ada79142 Human PRO
30	442	100.0	81	6 ADA79142	Ada79142 Human PRO
31	442	100.0	81	6 ADA79142	Ada79142 Human PRO
32	442	100.0	81	6 ADA79142	Ada79142 Human PRO
33	442	100.0	81	6 ADA79142	Ada79142 Human PRO
34	442	100.0	81	6 ADA79142	Ada79142 Human PRO
35	442	100.0	81	6 ADA79142	Ada79142 Human PRO
36	442	100.0	81	6 ADA79142	Ada79142 Human PRO
37	442	100.0	81	6 ADA79142	Ada79142 Human PRO
38	442	100.0	81	6 ADA79142	Ada79142 Human PRO
39	442	100.0	81	6 ADA79142	Ada79142 Human PRO
40	442	100.0	81	6 ADA79142	Ada79142 Human PRO
41	442	100.0	81	6 ADA79142	Ada79142 Human PRO
42	442	100.0	81	6 ADA79142	Ada79142 Human PRO
43	442	100.0	81	6 ADA79142	Ada79142 Human PRO
44	442	100.0	81	6 ADA79142	Ada79142 Human PRO
45	442	100.0	81	6 ADA79142	Ada79142 Human PRO

ALIGNMENTS

RESULT 1	AAB90558	standard; protein; 81 AA.
ID	AAB90558	
AC	AAB90558	
DT	01-JUN-2001	(first entry)
XX		
DE	Human secreted protein, SEQ ID NO: 96.	
XX		
KW	Human; secreted protein; immunomodulatory; antisclerotic; dermatological;	
KW	anti-inflammatory; anti-HIV; cytostatic; cardiant; vascular;	
KW	anti-angiogenic; ophthalmological; neuroprotectant; nocotropic;	
KW	anticonvulsant; antialzheimers; antiparkinsonian; antitubercial;	
KW	vaccine; vaccine; gene therapy; cancer; protein coordinate data;	
OS	Homo sapiens.	
XX		
FN	WO200121658-A1.	
XX		
PD	29-MAR-2001.	
XX		
PF	22-SEP-2000; 2000WO-US026013.	
XX		
PR	24-SEP-1999; 99US-0155709P.	
XX		
PA	(HUMA-) HUMAN GENOME SCI INC.	
XX		
PI	Ni J, Baker KP, Birze CE, Ebner R, Fiscella M, Komatouli GA;	
PI	Young PE, Wei P, Florence KA;	
XX		
DR	N-PSDB; AAF97898.	
XX		
PT	Nucleic acids encoding 32 human secreted polypeptides, useful for	
PT	preventing, diagnosing and/or treating e.g. cancers, Parkinson's disease	
PT	and diabetic retinopathy.	
XX		
PS	Claim 11, Page 783, 890pp; English.	
XX		
CC	The present sequence is one of 32 novel human secreted polypeptides. The	
CC	nucleic acid molecules and polypeptides may be used in the prevention,	
CC	diagnosis and treatment of diseases such as immune disorders (e.g.	
CC	multiple sclerosis, systemic lupus erythematosus and human immuno-	
CC	deficiency virus (HIV) infections), hyperproliferative disorders (e.g.	
CC	cancers and Gaucher's disease), cardiovascular diseases (e.g. Schmitz	

CC syndrome, Chaga's cardiomyopathy and coronary arteriosclerosis),
 CC angiogenic disorders (e.g. corneal graft neovascularisation and diabetic
 CC retinopathy), neurological disorders (e.g. Huntington's chorea,
 CC Alzheimer's disease and Parkinson's disease), infectious diseases and/or
 CC for promoting wound healing, regeneration and/or chemotaxis. The nucleic
 CC acid molecules may be used to produce the secreted polypeptides. They may
 CC also be used as DNA probes in diagnostic assays to detect and quantitate
 CC the presence of similar nucleic acid sequences in samples. The
 CC polypeptides may be used as antigens in the production of antibodies and
 CC in assays to identify modulators of their expression and activity

XX Sequence 81 AA;
 SQ

Query Match 100.0%; Score 442; DB 4; Length 81;
 Best Local Similarity 100.0%; Pred. No. 2, 1e-43;
 Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLLCILLCFSTEGKRRPAKAWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
 DB 1 MRLVLSLLCILLCFSTEGKRRPAKAWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
 QY 61 KPCKLEPRLWVPGALPQV 81
 DB 61 KPCKLEPRLWVPGALPQV 81

RESULT 2
 AAU12246
 ID AAU12246 standard; protein; 81 AA.
 AC AAU12246;
 XX
 XX 24-OCT-2001 (first entry)
 DT XX
 DE Human PRO3446 polypeptide sequence.
 XX
 XX Human secretory and transmembrane; PRO; mammalian; cancer; lung; breast;
 KM prostate; cervical; tumour necrosis factor-alpha; TNF-alpha; cartilage;
 KM ear; proliferation; glucose; free fatty acid; skeletal muscle; adipocyte;
 KM A-peptide; factor VIIa; gene therapy.
 XX Homo sapiens.
 OS
 XX
 XX MO200140466-A2.
 PN
 XX
 PD 07-JUN-2001.
 XX
 PF 01-DEC-2000; 2000MO-US032678.
 XX
 PR 01-DEC-1999; 99MO-US028301.
 PR 01-DEC-1999; 99MO-US028634.
 PR 02-DEC-1999; 99MO-US028551.
 PR 02-DEC-1999; 99MO-US028564.
 PR 02-DEC-1999; 99MO-US028565.
 PR 09-DEC-1999; 99US-0170262P.
 PR 16-DEC-1999; 99MO-US030095.
 PR 20-DEC-1999; 99MO-US030911.
 PR 20-DEC-1999; 99MO-US030999.
 PR 30-DEC-1999; 99MO-US031243.
 PR 30-DEC-1999; 99MO-US031274.
 PR 05-JAN-2000; 2000MO-US000219.
 PR 06-JAN-2000; 2000MO-US000277.
 PR 06-JAN-2000; 2000MO-US000376.
 PR 11-FEB-2000; 2000MO-US003565.
 PR 18-FEB-2000; 2000MO-US004341.
 PR 18-FEB-2000; 2000MO-US004342.
 PR 22-FEB-2000; 2000MO-US004414.
 PR 24-FEB-2000; 2000MO-US004914.
 PR 24-FEB-2000; 2000MO-US005004.
 PR 01-MAR-2000; 2000MO-US005601.
 PR 02-MAR-2000; 2000MO-US005841.
 PR 03-MAR-2000; 2000US-0187202P.
 PR 10-MAR-2000; 2000MO-US006319.

PR 15-MAR-2000; 2000MO-US006884.
 PR 20-MAR-2000; 2000MO-US007377.
 PR 21-MAR-2000; 2000MO-US007532.
 PR 30-MAR-2000; 2000MO-US008439.
 PR 17-MAY-2000; 2000MO-US013705.
 PR 22-MAY-2000; 2000MO-US014042.
 PR 30-MAY-2000; 2000MO-US014941.
 PR 02-JUN-2000; 2000MO-US015264.
 PR 05-JUN-2000; 2000US-0209833P.
 PR 28-JUL-2000; 2000MO-US020710.
 PR 11-AUG-2000; 2000MO-US022031.
 PR 23-AUG-2000; 2000MO-US023522.
 PR 24-AUG-2000; 2000MO-US023328.
 PR 08-NOV-2000; 2000MO-US030952.
 PR 10-NOV-2000; 2000MO-US030873.
 XX
 XX (GENENTECH INC.
 PA
 XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AU, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z,
 XX WPI; 2001-408281/43.
 DR N-PSDB; AAS21318.
 DR
 XX
 PT Isolated, secretory and transmembrane PRO polypeptide used to detect
 PT other PRO polypeptides, link bioactive molecules to cells expressing PRO
 PT polypeptides, and detect the presence of mammalian tumors e.g. lung,
 PT breast, prostate, cervical.
 XX
 XX
 XX Claim 12; Fig 150; 813p; English.
 PS
 XX
 CC AAU2172-AAU12446 represent novel human secretory and transmembrane PRO
 CC polypeptides. The PRO polypeptides are useful to detect other PRO
 CC polypeptides, to link bioactive molecules to cells expressing PRO
 CC polypeptides, to modulate biological activities of cells expressing PRO
 CC polypeptides, and to detect the presence of mammalian lung, colon,
 CC breast, prostate, rectal, cervical or liver tumours by comparing PRO
 CC polypeptide expression in a cell sample to that in a control sample. Some
 CC of the 275 sequences are also useful to stimulate the release of tumour
 CC necrosis factor-alpha (TNF-alpha) from human blood, the proliferation or
 CC differentiation of chondrocytes, the proliferation or gene expression in
 CC pericyte cells, the release of proteoglycans from cartilage, the
 CC proliferation of inner ear utricular supporting cells or of T-
 CC lymphocytes, the release of a cytokine from peripheral blood monocytes
 CC (PBMCs), or the proliferation of endothelial cells. Some of the PRO
 CC polypeptides may modulate glucose or free fatty acid uptake by skeletal
 CC muscle cells or by adipocytes; or inhibit binding of A-peptide to factor
 CC VIIa. The PRO polypeptides can be used in assays to identify molecules
 CC involved in binding interactions. The polynucleotides encoding PRO
 CC polypeptides can be used to generate probes, antisense RNA/DNA,
 CC transgenic or knock out animals and can be used in gene therapy

XX Sequence 81 AA;
 SQ

Query Match 100.0%; Score 442; DB 4; Length 81;
 Best Local Similarity 100.0%; Pred. No. 2, 1e-43;
 Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLLCILLCFSTEGKRRPAKAWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
 DB 1 MRLVLSLLCILLCFSTEGKRRPAKAWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
 QY 61 KPCKLEPRLWVPGALPQV 81
 DB 61 KPCKLEPRLWVPGALPQV 81

RESULT 3
 ABG65411
 ID ABG65411 standard; protein; 81 AA.
 XX
 AC ABG65411;

XX DT 27-AUG-2002 (first entry)
XX DE Human albumin fusion protein #2086.
XX KW Albumin fusion protein; therapeutic protein X; human albumin; HA;
XX KW human serum albumin; HSA; cancer; reproductive disorder;
XX KW digestive disorder; immune disorder; endocrine disorder;
XX KW haematopoietic disorder; neural disorder; connective disorder;
XX KW cytostatic; antineoplastic; anti-inflammatory; antitumor;
XX KW immunomodulator; anti-HIV; antidiabetic; haemostatic; nootropic;
XX KW neuroprotective; antiparkinsonian; antimicrobial; neuroleptic;
XX KW osteopathic; antirheumatic.
XX OS Homo sapiens.
XX OS Synthetic.
XX PN WO200177137-A1.
XX PD 18-OCT-2001.
XX PF 12-APR-2001; 2001WO-US011988.
XX PR 12-APR-2000; 2000US-0229358P.
XX PR 25-APR-2000; 2000US-0199384P.
XX PR 21-DEC-2000; 2000US-0256931P.
XX PA (HUMA-) HUMAN GENOME SCI INC.
XX PI Rosen CA, Haseltine WA;
XX PI MPI; 2002-010886/01.
XX PT New fusion protein for treating disease e.g. diabetes comprises an
XX PT albumin fused to a therapeutic protein.
XX PS Claim 1; Page 1979; 2102pp; English.
XX CC The present invention relates to albumin fusion proteins comprising a
XX CC therapeutic protein X and human albumin (HA, also known as human serum
XX CC albumin, HSA). The proteins are useful for treating a disease or disorder
XX CC that may be modulated by therapeutic protein X. The albumin extends the
XX CC shelf-life of protein X, and may increase its biological in vitro/in vivo
XX CC activity. The protein is useful for treating and diagnosing disorders
XX CC such as cancer, reproductive disorders, digestive disorders (e.g. Crohn's
XX CC disease, ulcerative colitis), immune disorders (e.g. acquired
XX CC immunodeficiency syndrome, AIDS), endocrine disorders (e.g. diabetes),
XX CC haematopoietic disorders, neural disorders (e.g. Alzheimer's,
XX CC Parkinson's, Creutzfeldt-Jacob disease, encephalomyelitis, meningitis,
XX CC schizophrenia), and connective disorders (e.g. osteoporosis, arthritis).
XX CC ABG63326-ABG65518 represent albumin fusion proteins of the invention
XX SQ Sequence 81 AA;
XX
XX Query Match 100.0%; Score 442; DB 5; Length 81;
XX Best Local Similarity 100.0%; Pred. No. 2.1e-43;
XX Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1 MRLVLSSLLCILLCFSTFSTGKRRPAKAWSGRRTRLCRRVPSNSTNLKGHHVRLC 60
XX DB 1 MRLVLSSLLCILLCFSTFSTGKRRPAKAWSGRRTRLCRRVPSNSTNLKGHHVRLC 60
XX QY 61 KPCKLEPPRLMWWPGALPOV 81
XX DB 61 KPCKLEPPRLMWWPGALPOV 81
XX
XX RESULT 4
XX AAEL16481
XX ID AAEL16481 standard; protein; 81 AA.
XX AC AAEL16481;
XX XX

DT DT 09-APR-2002 (first entry)
XX DE Human Secreted epithelial colon stromal-1 (Secs-1) protein.
XX KW Secreted epithelial colon stromal-1; Secs-1; gene therapy; osteoporosis;
XX KW haematopoietic disorder; osteoporosis; osteogenesis imperfecta; cachexia;
XX KW Paget's disease; periodontal disease; hypercalcaemia; glomerulonephritis;
XX KW diabetes; obesity; osteopathic; cytostatic; nephrotoxic; antidiabetic;
XX KW anorectic; immunomodulator; antipneumonia; antineoplastic; anti-infective;
XX KW gynaecological; antitumor; anti-inflammatory; cancer; cell therapy; human.
XX OS Homo sapiens.
XX OS
XX FT Key Location/Qualifiers
XX FT Peptide 1..24
XX FT /label= signal_peptide
XX FT Protein 25..81
XX FT /label= Mature_human_Secs-1_protein
XX PN WO200198497-A1.
XX PD 27-DEC-2001.
XX PF 28-NOV-2000; 2000WO-US032479.
XX PR 21-JUN-2000; 2000US-00599087.
XX PR 28-NOV-2000; 2000US-00724000.
XX PA (AMGE-) AMGEN INC.
XX PI Polverino AJ, Luethy R;
XX PI MPI; 2002-122281/16.
XX DR N-PSDB; AAD27025, AAD27026.
XX DR
XX PT Secreted epithelial colon stromal-1 polypeptides and nucleic acids,
XX PT useful for diagnosing, treating and preventing haematopoietic disorder,
XX PT osteoporosis, Paget's disease, cancer, diabetes.
XX PS Claim 13; Fig 3; 134pp; English.
XX CC The present invention relates to an isolated murine or human secreted
XX CC epithelial colon stromal-1 (Secs-1) polypeptide, its allelic or splice
XX CC variant, orthologue, fragment or mutant. Secs-1 gene is used in gene
XX CC therapy and cell therapy. Secs-1 is useful for identifying a compound
XX CC which binds to a Secs-1 polypeptide. Secs-1 is useful for treating,
XX CC preventing or ameliorating a disease condition such as haematopoietic
XX CC disorder, osteoporosis, osteopetrosis, osteogenesis imperfecta, Paget's
XX CC disease, periodontal disease, hypercalcaemia, acute glomerulonephritis,
XX CC chronic glomerulonephritis, cancer, diabetes, obesity or cachexia. Secs-1
XX CC is also useful for diagnosing a pathological condition which involves
XX CC determining the presence or amount of Secs-1 or polypeptide encoded by
XX CC Secs-1 DNA in a sample; and diagnosing a pathological condition, or
XX CC susceptibility to pathological condition based on the presence or amount
XX CC of expression of the polypeptide. The present sequence is human Secs-1
XX CC protein
XX SQ Sequence 81 AA;
XX
XX Query Match 100.0%; Score 442; DB 5; Length 81;
XX Best Local Similarity 100.0%; Pred. No. 2.1e-43;
XX Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1 MRLVLSSLLCILLCFSTFSTGKRRPAKAWSGRRTRLCRRVPSNSTNLKGHHVRLC 60
XX DB 1 MRLVLSSLLCILLCFSTFSTGKRRPAKAWSGRRTRLCRRVPSNSTNLKGHHVRLC 60
XX QY 61 KPCKLEPPRLMWWPGALPOV 81
XX DB 61 KPCKLEPPRLMWWPGALPOV 81
XX
XX RESULT 5

ADG79531
ID ADG79531 standard; protein; 81 AA.
XX
AC ADG79531;
XX
DT 11-MAR-2004 (first entry)
XX
DE Human secreted protein of the invention SEQ ID NO:337.
XX
KW ss; cytostatic; vasotropic; haemostatic; cardiovascular;
KW gastrointestinal; immunomodulator; inotropic; cerebroprotective;
KW neuroprotective; nephrotropic; antiinflammatory; antibacterial; virucide;
KW gynaecological; antidiabetic; gene therapy; vaccine; cancer;
KW blood disorder; immune disorder; infection; inflammatory disorder;
KW type II diabetes; gene; human; secreted protein.
XX
OS Homo sapiens.
XX
PN WO200268638-A1.
XX
PD 06-SEP-2002.
XX
PF 21-FEB-2002; 2002WO-US005064.
XX
PR 23-FEB-2001; 2001US-0270658P.
PR 12-JUL-2001; 2001US-0304444P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Rosen CA, Komatsoulis GA, Birse CE, Choi GH, Olsen HS, Nl J;
PI Bell A;
XX
DR WPI: 2002-750418/81.
DR N-PSDB; ADG79345.
XX
PT New isolated polypeptide and encoding polynucleotide useful for
PT diagnosing, preventing, treating and/or ameliorating diseases such as
PT cancer, blood disorders, infections, inflammatory and immune disorders
PT and type II diabetes.
XX
PS Disclosure; SEQ ID NO 338; 936bp; English.
XX
CC The invention relates to a novel isolated polypeptide. A protein of the
CC invention has cytostatic, vasotropic, haemostatic, cardiovascular,
CC gastrointestinal, immunomodulator, inotropic, cerebroprotective,
CC neuroprotective, nephrotropic, antiinflammatory, antibacterial, virucide,
CC gynaecological, and antidiabetic activity. A polynucleotide of the
CC invention may have a use in gene therapy, and as a vaccine. The methods
CC and compositions of the invention are useful for diagnosing, preventing,
CC treating and/or ameliorating diseases such as cancer (neural,
CC reproductive, gastrointestinal, endocrine, renal, CNS and respiratory
CC neoplasias), blood disorders, immune disorders, infections, inflammatory
CC disorders and type II diabetes. They can also be used in chromosome
CC identification, screening assays and molecular weight markers. The
CC present sequence is used in the exemplification of the invention.
XX
XX
SQ Sequence 81 AA;
Query Match 100.0%; Score 442; DB 5; Length 81;
Best Local Similarity 100.0%; Pred. No. 2,1e-43;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLTVSSLLCILLCFSTFGSKRRPAKWSGRTRTLCCHRVSPNSTNLKGHHVRLC 60
DB 1 MRLTVSSLLCILLCFSTFGSKRRPAKWSGRTRTLCCHRVSPNSTNLKGHHVRLC 60
QY 61 KPCKLEPRLWVVPALPGV 81
DB 61 KPCKLEPRLWVVPALPGV 81

RESULT 6
ABO17690

ID ABO17690 standard; protein; 81 AA.
XX
AC ABO17690;
XX
DT 26-AUG-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO3446.
XX
KW Human; secreted and transmembrane protein; PRO; antiinflammatory;
KW antitumescerotic; cardiant; anti-infertility; anti-HIV; cytostatic;
KW antidiabetic; gene therapy; tumour necrosis factor (TNF)-alpha release;
KW TNF-alpha release; cell proliferation; cell differentiation;
KW gene expression modulator; proteoglycan release; cytokine release;
KW tumour; inflammatory disease; organ failure; atherosclerosis;
KW cardiac injury; infertility; birth defect; premature aging; AIDS;
KW acquired immunodeficiency syndrome; cancer; diabetic complication;
KW chromosome mapping; gene mapping; pharmaceutical; diagnostic; biosensor;
KW bioreactor; tissue typing.
XX
OS Homo sapiens.
XX
PN US2003032156-A1.
XX
PD 13-FEB-2003.
XX
PF 06-MAY-2002; 2002US-00140474.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.

PR 18-FEB-2000; 2000WO-US004342.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US004914.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005011.
 PR 02-MAR-2000; 2000WO-US005746.
 PR 10-MAR-2000; 2000WO-US005841.
 PR 15-MAR-2000; 2000WO-US006319.
 PR 20-MAR-2000; 2000WO-US006884.
 PR 21-MAR-2000; 2000WO-US007377.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00808689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 XX (GETH) GENENTECH INC.
 PA
 XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
 PI Gerltsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 XX WPI; 2003-341980/32.
 DR N-PSDB; ACD23927.
 XX
 XX New secreted and transmembrane PRO nucleic acids, for treating
 PT inflammation, organ failure, atherosclerosis, cardiac injury,
 PT infertility, birth defects, premature aging, acquired immunodeficiency
 PT syndrome (AIDS), or cancer.
 XX
 PS Claim 12; Fig 150; 660pp; English.
 CC The invention describes an isolated nucleic acid (I) comprising, or which
 CC has 80 % sequence identity to, or the full-length coding sequence of, one
 CC of 275 nucleotide sequences, and which encodes a corresponding

CC polypeptide selected from 275 amino acid sequences, where all sequences
 CC are given in the specification. The polypeptide encoded by (I) is used to
 CC detect PRO polypeptides, link a bioactive molecule to a cell expressing a
 CC PRO polypeptide, modulate a biological activity of a cell, stimulate the
 CC release of tumor necrosis factor (TNF)-alpha from human blood, modulate
 CC the uptake of glucose or free fatty acid by cells, stimulate or inhibit
 CC the proliferation or differentiation of cells or gene expression,
 CC stimulate the release of proteoglycans, stimulate the release of cytokine
 CC from peripheral blood mononuclear cells, inhibit the binding of A-peptide
 CC to factor VIIa, or detect the presence of tumour in a mammal. The nucleic
 CC acid and polypeptide encoded by it, are useful for treating inflammatory
 CC diseases, organ failure, atherosclerosis, cardiac injury, infertility,
 CC birth defects, premature aging, acquired immunodeficiency syndrome
 CC (AIDS), cancer, or diabetic complications. The nucleic acid is useful as
 CC hybridisation probes, in chromosome and gene mapping, and in generating
 CC antisense RNA or DNA. The polypeptides are useful as pharmaceuticals,
 CC diagnostics, biosensors or bioreactors. Both are useful in tissue typing.
 CC This is the amino acid sequence of a novel human secreted and
 CC transmembrane PRO polypeptide
 XX
 SQ Sequence 81 AA;
 Query Match 100.0%; Score 442; DB 6; Length 81;
 Best Local Similarity 100.0%; Pred. No. 2,1e-43;
 Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MRLIVSSLLCILLGFSITSTGKRRPAKAWGRRTRLCCHVPSNNTLKGHHVRLC 60
 Db 1 MRLIVSSLLCILLGFSITSTGKRRPAKAWGRRTRLCCHVPSNNTLKGHHVRLC 60
 QY 61 KPCKLEPEPRMLVVPGLPOV 81
 Db 61 KPCKLEPEPRMLVVPGLPOV 81
 RESULT 7
 ABU80944
 ID ABU80944 standard; protein; 81 AA.
 AC ABU80944;
 XX
 XX 23-JUN-2003 (first entry)
 DT
 XX
 DE Human PRO polypeptide #75.
 XX
 XX Human; PRO polypeptide; secreted and transmembrane protein;
 KW anti-PRO antibody; diagnostic assay; gene expression; diabetes;
 KW bone disorder; cartilage disorder; rheumatoid arthritis; obesity;
 KW sports injury; osteoarthritis; hyper-insulinaemia; hypo-insulinaemia;
 KW hearing loss; coagulation disorder; stroke; heart attack; cardiac;
 KW antidiabetic; anorectic; vulnery; antidiabetic; osteopathic;
 KW antirheumatic; auditory; cerebroprotective; angiogenic.
 XX
 OS Homo sapiens.
 XX
 PN US2003004311-A1.
 XX
 PD 02-JAN-2003.
 XX
 PF 19-DEC-2001; 2001US-00028072.
 XX
 PR 18-JUN-1997; 97US-0049911P.
 PR 26-AUG-1997; 97US-0056974P.
 PR 17-SEP-1997; 97US-0059113P.
 PR 17-SEP-1997; 97US-0059115P.
 PR 17-SEP-1997; 97US-0059117P.
 PR 17-SEP-1997; 97US-0059122P.
 PR 17-SEP-1997; 97US-0059184P.
 PR 18-SEP-1997; 97US-0059263P.
 PR 19-SEP-1997; 97US-0059352P.
 PR 19-SEP-1997; 97US-0059588P.
 PR 24-SEP-1997; 97US-0059836P.
 PR 17-OCT-1997; 97US-0062250P.

PR 17-OCT-1997; 97US-0062285P.
 PR 17-OCT-1997; 97US-0062287P.
 PR 17-OCT-1997; 97US-0063755P.
 PR 24-OCT-1997; 97US-0062814P.
 PR 24-OCT-1997; 97US-0062816P.
 PR 24-OCT-1997; 97US-0063045P.
 PR 24-OCT-1997; 97US-0063082P.
 PR 24-OCT-1997; 97US-0063127P.
 PR 27-OCT-1997; 97US-0063327P.
 PR 27-OCT-1997; 97US-0063329P.
 PR 28-OCT-1997; 97US-0063550P.
 PR 28-OCT-1997; 97US-0063561P.
 PR 29-OCT-1997; 97US-0063704P.
 PR 29-OCT-1997; 97US-0063733P.
 PR 29-OCT-1997; 97US-0063735P.
 PR 29-OCT-1997; 97US-0063738P.
 PR 03-NOV-1997; 97US-0064248P.
 PR 07-NOV-1997; 97US-0064809P.
 PR 12-NOV-1997; 97US-0065186P.
 PR 17-NOV-1997; 97US-0065846P.
 PR 21-NOV-1997; 97US-0066364P.
 PR 24-NOV-1997; 97US-0066453P.
 PR 24-NOV-1997; 97US-0066511P.
 PR 24-NOV-1997; 97US-0066770P.
 PR 11-DEC-1997; 97US-0069212P.
 PR 11-DEC-1997; 97US-0069278P.
 PR 11-DEC-1997; 97US-0069334P.
 PR 16-DEC-1997; 97US-0069694P.
 PR 23-JAN-1998; 98US-0072220P.
 PR 04-FEB-1998; 98US-0073612P.
 PR 09-FEB-1998; 98US-0074086P.
 PR 12-MAR-1998; 98US-0074092P.
 PR 20-MAR-1998; 98US-0077791P.
 PR 25-MAR-1998; 98US-0078910P.
 PR 27-MAR-1998; 98US-0079294P.
 PR 27-MAR-1998; 98US-0079663P.
 PR 31-MAR-1998; 98US-0079728P.
 PR 12-JUN-1998; 98US-0080165P.
 PR 14-JUL-1998; 98US-0081245P.
 PR 28-AUG-1998; 98US-00814552.
 PR 10-SEP-1998; 98US-0081788P.
 PR 14-SEP-1998; 98US-0081824P.
 PR 14-SEP-1998; 98US-00819093.
 PR 14-SEP-1998; 98US-00819094.
 PR 16-SEP-1998; 98US-00819177.
 PR 17-SEP-1998; 98US-00819330.
 PR 07-OCT-1998; 98US-00819437.
 PR 29-OCT-1998; 98US-00821141.
 PR 29-OCT-1998; 98US-00822991.
 PR 20-NOV-1998; 98US-00822992.
 PR 01-DEC-1998; 98US-00824855.
 PR 05-JAN-1999; 98US-00825108.
 PR 08-MAR-1999; 99US-00800106.
 PR 10-MAR-1999; 99US-00805028.
 PR 20-APR-1999; 99US-00808615.
 PR 14-MAY-1999; 99US-00810733.
 PR 02-JUN-1999; 99US-00812252.
 PR 01-SEP-1999; 99US-00820111.
 PR 08-SEP-1999; 99US-00820594.
 PR 13-SEP-1999; 99US-00820944.
 PR 15-SEP-1999; 99US-00821090.
 PR 05-OCT-1999; 99US-00821547.
 PR 29-NOV-1999; 99US-00823089.
 PR 30-NOV-1999; 99US-00828214.
 PR 30-NOV-1999; 99US-00828313.
 PR 01-DEC-1999; 99US-00828409.
 PR 01-DEC-1999; 99US-00828301.
 PR 01-DEC-1999; 99US-00828634.
 PR 02-DEC-1999; 99US-00828551.
 PR 02-DEC-1999; 99US-00828564.
 PR 02-DEC-1999; 99US-00828565.
 PR 16-DEC-1999; 99US-00830095.

PR 20-DEC-1999; 99US-00830911.
 PR 20-DEC-1999; 99US-00830999.
 PR 30-DEC-1999; 99US-00831243.
 PR 30-DEC-1999; 99US-00831274.
 PR 05-JAN-2000; 2000US-00800219.
 PR 06-JAN-2000; 2000US-00800277.
 PR 06-JAN-2000; 2000US-0080376.
 PR 11-FEB-2000; 2000US-00803565.
 PR 18-FEB-2000; 2000US-00804341.
 PR 18-FEB-2000; 2000US-00804342.
 PR 22-FEB-2000; 2000US-00804414.
 PR 24-FEB-2000; 2000US-00804914.
 PR 24-FEB-2000; 2000US-00805004.
 PR 01-MAR-2000; 2000US-00805601.
 PR 02-MAR-2000; 2000US-00805746.
 XX
 PA (GENENTECH INC.
 XX
 XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W,
 PI Gerritsen ME, Goddard A, Goddard PJ, Gurney AL, Sherwood S,
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z,
 XX
 DR WPI, 2003-352836/33.
 DR N-PSDB; ACA67068.
 XX
 PT New isolated PRO polypeptide useful for treating diabetes, rheumatoid
 PT arthritis, sports injuries, obesity, hearing loss in mammals, stroke, or
 PT heart attack.
 XX
 XX Claim 12, Fig 150, 643p; English.
 XX
 CC The present invention relates to the isolation of novel human PRO
 CC polypeptides, and the polynucleotide sequences encoding them. The PRO
 CC polypeptides are secreted and transmembrane proteins. The PRO
 CC polypeptides and polynucleotides are useful for preparing a medicament
 CC useful in the treatment of diabetes, bone and/or cartilage disorders
 CC (e.g. rheumatoid arthritis, sports injuries, osteoarthritis), obesity,
 CC hyper- or hypo-insulinaemia, hearing loss, and coagulation disorders
 CC (e.g. stroke, heart attack). Anti-PRO antibodies are useful in diagnostic
 CC assays for PRO, by detecting its expression in specific cells, tissues or
 CC serum, and for affinity purification of PRO from recombinant cell culture
 CC or natural sources. ABUS0870-ABUS1144 represent the human PRO
 CC polypeptides of the invention. Note: The sequence data for this patent
 CC was obtained in electronic format directly from the USPTO web site at
 CC segdata.uspto.gov/patseqidentry.html
 XX
 SQ Sequence 81 AA;
 Query Match 100.0%; Score 442; DB 6; Length 81;
 Best Local Similarity 100.0%; Pred. No. 2.1e-43;
 Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MRLVLSILCTLLCFISFTEGRRAPKAMSGRRTLCHRVSPSTNKGHHVLC 60
 DB 1 MRLVLSILCTLLCFISFTEGRRAPKAMSGRRTLCHRVSPSTNKGHHVLC 60
 QY 61 KPCKLEPPRLWVPGALPOV 81
 DB 61 KPCKLEPPRLWVPGALPOV 81
 ID ABUS0870 standard; protein; 81 AA.
 AC ABUS0870 standard; protein; 81 AA.
 XX
 DT 23-MAY-2003 (first entry)
 XX
 DE Human PRO polypeptide #75.
 XX
 KW Human, PRO polypeptide; secreted and transmembrane protein;
 KW tumour necrosis factor-alpha; TNF-alpha; blood; proliferation;

KM differentiation; chondrocyte; tumour; genetic disorder; cytostatic.
 XX Homo sapiens.
 OS US2003036180-A1.
 PN 20-FEB-2003.
 PD 09-MAY-2002; 2002US-00143114.
 XX 31-MAR-1997; 97WO-US005230.
 XX 12-JUN-1998; 98WO-US012456.
 XX 14-JUL-1998; 98WO-US014552.
 XX 28-AUG-1998; 98WO-US017888.
 XX 10-SEP-1998; 98WO-US018824.
 XX 14-SEP-1998; 98WO-US019093.
 XX 14-SEP-1998; 98WO-US019177.
 XX 16-SEP-1998; 98WO-US019330.
 XX 17-SEP-1998; 98WO-US019437.
 XX 07-OCT-1998; 98WO-US021141.
 XX 29-OCT-1998; 98WO-US022991.
 XX 29-OCT-1998; 98WO-US022992.
 XX 20-NOV-1998; 98WO-US024855.
 XX 01-DEC-1998; 98WO-US025108.
 XX 05-JAN-1999; 99WO-US000106.
 XX 08-MAR-1999; 99WO-US005028.
 XX 10-MAR-1999; 99WO-US005190.
 XX 20-APR-1999; 99WO-US008615.
 XX 14-MAY-1999; 99WO-US010733.
 XX 02-JUN-1999; 99WO-US012252.
 XX 01-SEP-1999; 99WO-US020111.
 XX 08-SEP-1999; 99WO-US020594.
 XX 13-SEP-1999; 99WO-US020944.
 XX 15-SEP-1999; 99WO-US021090.
 XX 15-SEP-1999; 99WO-US021547.
 XX 05-OCT-1999; 99WO-US023089.
 XX 29-NOV-1999; 99WO-US028214.
 XX 30-NOV-1999; 99WO-US028313.
 XX 30-NOV-1999; 99WO-US028409.
 XX 01-DEC-1999; 99WO-US028301.
 XX 01-DEC-1999; 99WO-US028634.
 XX 02-DEC-1999; 99WO-US028551.
 XX 02-DEC-1999; 99WO-US028564.
 XX 02-DEC-1999; 99WO-US028565.
 XX 16-DEC-1999; 99WO-US030095.
 XX 20-DEC-1999; 99WO-US030911.
 XX 20-DEC-1999; 99WO-US030999.
 XX 22-DEC-1999; 99WO-US030720.
 XX 30-DEC-1999; 99WO-US031243.
 XX 30-DEC-1999; 99WO-US031274.
 XX 05-JAN-2000; 2000WO-US000219.
 XX 06-JAN-2000; 2000WO-US000277.
 XX 06-JAN-2000; 2000WO-US000376.
 XX 11-FEB-2000; 2000WO-US003565.
 XX 18-FEB-2000; 2000WO-US004341.
 XX 18-FEB-2000; 2000WO-US004342.
 XX 22-FEB-2000; 2000WO-US004414.
 XX 24-FEB-2000; 2000WO-US004914.
 XX 24-FEB-2000; 2000WO-US005004.
 XX 01-MAR-2000; 2000WO-US005601.
 XX 02-MAR-2000; 2000WO-US005746.
 XX 02-MAR-2000; 2000WO-US005819.
 XX 10-MAR-2000; 2000WO-US006319.
 XX 15-MAR-2000; 2000WO-US006884.
 XX 20-MAR-2000; 2000WO-US007377.
 XX 21-MAR-2000; 2000WO-US007532.
 XX 30-MAR-2000; 2000WO-US008439.
 XX 17-MAY-2000; 2000WO-US013705.
 XX 30-MAY-2000; 2000WO-US014042.
 XX 02-JUN-2000; 2000WO-US014941.
 XX 28-JUL-2000; 2000WO-US015264.
 XX 28-JUL-2000; 2000WO-US020710.

PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006660.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00806889.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 08-AUG-2001; 2001US-00924819.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX (GENTH) GENENTECH INC.
 PA Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerltsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX WPI, 2003-332040/31.
 DR N-PSDB; ACA03677.
 PT New secreted and transmembrane PRO nucleic acids, useful for gene
 PT therapy, in chromosome and gene mapping, as chromosome markers, in tissue
 PT typing, and in chromosome identification.
 XX Claim 12; Fig 150; 660p; English.
 PS The present invention relates to the isolation of novel human PRO
 XX polypeptides, and the polynucleotide sequences encoding them. The PRO
 CC polypeptides are secreted and transmembrane proteins. The PRO
 CC polypeptides are useful for detecting other PRO polypeptides, for linking
 CC bioactive molecules to cells expressing PRO polypeptides, for modulating
 CC biological activities of cells expressing PRO polypeptides, and for for
 CC identifying agonists or antagonists. The PRO polypeptides are useful for
 CC for stimulating the release of tumour necrosis factor (TNF)-alpha from
 CC human blood, for stimulating the proliferation or differentiation of
 CC chondrocytes, and detecting the presence of tumours. The polynucleotide
 CC sequences encoding PRO polypeptides are useful as hybridisation probes,
 CC in chromosome and gene mapping, in the generation of antisense RNA and
 CC DNA, in the preparation of PRO polypeptides, for generating transgenic
 CC animals or knockout animals, for the genetic analysis of individuals with
 CC genetic disorders, and in gene therapy. AB06570-AB06644 represent the
 CC human PRO polypeptides of the invention. Note: The sequence data for this
 CC patent was obtained in electronic format directly from the USPTO web site
 CC at seqdata.uspto.gov/psipdsidentry.html
 XX Sequence 81 AA;
 SO

Query Match 100.0%; Score 442; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 2,1e-43;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLSLLCILLCFSTFSTGKRRPAKAWSGRRTRLCGRVSPNSTNLKHHVRLC 60
DB 1 MRLVLSLLCILLCFSTFSTGKRRPAKAWSGRRTRLCGRVSPNSTNLKHHVRLC 60

QY 61 KPCKLEPRRLWVPGALPOV 81
DB 61 KPCKLEPRRLWVPGALPOV 81

RESULT 9
ABUS9725
ID ABUS9725 standard; protein; 81 AA.
XX ABUS9725;
AC ABUS9725;
XX
DT 13-MAY-2003 (first entry)
XX
DE Novel secreted and transmembrane protein PRO3446.
XX
XX Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW cardiac insufficiency disorder; cancer; tumour; immune response;
KW adrenal cortical capillary endothelial growth; c-fos induction;
KW vascular endothelial growth factor inhibition; VEGF inhibition;
KW endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW retinal neurons cell survival; rod photoreceptor cell survival;
KW retinal disorder; retinitis pigmentosa; kidney disorder;
KW mammalian kidney mesangial cell proliferation; Berger disease;
KW dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;
KW chondrocyte redifferentiation; sports injury; arthritis.

OS Homo sapiens.
XX
XX US2003017563-A1.
PN
XX
PD 23-JAN-2003.
XX
PF 07-MAY-2002; 2002US-00140808.
XX
XX 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
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PR 01-DEC-1999; 99WO-US028301.

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PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 05-JAN-2000; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 11-FEB-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 01-MAR-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUN-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023528.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US0747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001US-00805520.
PR 01-MAR-2001; 2001US-00806666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001US-00870932.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001US-00871800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001US-00886342.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001US-00887879.
PR 29-JUN-2001; 2001US-00887879.
PR 09-JUL-2001; 2001US-00887879.
PR 18-JUL-2001; 2001US-00887879.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.

XX
XX (GENTH) GENENTECH INC.
XX
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX MPI: 2003-148238/14.
DR N-PSDB; ABX89215.
XX
XX Two hundred and seventy five nucleic acids encoding PRO polypeptides,
PT useful for treating pericyte-associated tumors, diabetes and various bone
PT and/or cartilage disorders, e.g. arthritis.
XX
XX Claim 12, Fig 150, 659pp; English.
XX
XX The invention describes an isolated human PRO polypeptide. The PRO
CC polypeptides are useful in detecting PRO polypeptides in a sample, in
CC linking a bioactive molecule to a cell expressing a PRO polypeptide, and
CC in modulating at least one biological activity of a cell expressing a PRO
CC polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
CC useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186
CC stimulate adrenal cortical capillary endothelial growth, and PRO536,
CC PRO943, PRO828, PRO1068 or PRO535, PRO826, PRO819, PRO1126,
CC PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus
CC useful for treating conditions or disorders where angiogenesis would be
CC beneficial, e.g. wound healing and antagonist of this polypeptide are
CC useful for treating cancerous tumors. PRO812 inhibits vascular
CC endothelial growth factor (VEGF) stimulated proliferation of endothelial
CC cells and is thus useful for inhibiting endothelial cell growth in
CC mammals which would be beneficial in inhibiting tumor growth. PRO826,
CC PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
CC stimulated T-lymphocytes and are therapeutically useful for enhancing
CC immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of
CC retinal neurons cells (PRO1132 is also enhances survival/proliferation of
CC rod photoreceptor cells) and therefore are useful for treating retinal
CC disorders of injuries, e.g. retinitis pigmentosa, AMD. PRO819, PRO813
CC and PRO1066 induce proliferation of mammalian kidney mesangial cells,
CC and therefore are useful for treating kidney disorders associated with
CC decreased mesangial cell function such as Berger disease or other
CC nephropathies associated with dermatitis, herpeticiformis or Crohn's
CC disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the
CC proliferation and/or redifferentiation of chondrocytes in culture and are
CC thus useful for treating sports injuries, and arthritis. This is the
CC amino acid sequence of a novel human PRO protein
SQ
SQ Sequence 81 AA;
Query Match 100.0%; Score 442; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 2.1e-43;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRLVLSLLCILLCPSTFGKRRPAKAMSGRRTRLCCHVPSNSTNLGHHVRLC 60
DB 1 MRLVLSLLCILLCPSTFGKRRPAKAMSGRRTRLCCHVPSNSTNLGHHVRLC 60
QY 61 KPCKLEPPRLWVPGALPGV 81
DB 61 KPCKLEPPRLWVPGALPGV 81
RESULT 10
ABO24915
ID ABO24915 standard; protein; 81 AA.
XX
AC ABO24915;
XX
DT 05-SEP-2003 (first entry)
XX
DE Human secreted/transmembrane protein (PRO) #75.
XX
XX Human: PRO: secreted protein; transmembrane protein; tumour; cytosstatic;
KM gene therapy; tumour necrosis factor-alpha; TNF-alpha; blood;
KM proteoglycan; cartilage; cytokine; peripheral blood mononuclear cell;
KM BMDG; glucose uptake; FFA; skeletal muscle cell; adipocyte cell;
KM chondrocyte cell proliferation; chondrocyte cell differentiation;
KM pericyte cell; inner ear utricular supporting cell; T-lymphocyte cell;
KM endothelial cell; A-peptide; factor VIIA.

XX OS Homo sapiens.
XX PN US2003036179-A1.
XX
XX 20-FEB-2003.
XX
PF 10-MAY-2002; 2002US-00142431.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 16-SEP-1998; 98WO-US019177.
PR 17-SEP-1998; 98WO-US019330.
PR 07-OCT-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021900.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUN-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.

PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 10-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00808689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 01-JUN-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 PA (GENTH) GENENTECH INC.
 XX
 XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerlitsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI; 2003-466355/44.
 N-PSDB; ACD41669.
 XX
 PT New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO1114 or
 PT PRO978; useful in molecular biology, chromosome and gene mapping, in
 PT generating antisense RNA and DNA, and in gene therapy.
 XX
 PS Claim 12; Fig 150; 659pp; English.
 XX

CC The invention relates to an isolated nucleic acid comprising at least 80%
 CC sequence identity to a PRO (secreted and transmembrane protein) cDNA
 CC comprising a nucleic acid (a) encoding a PRO polypeptide, or its
 CC extracellular domain (with or without its associated signal peptide),
 CC which comprises any of the 275 120-850 residue amino acid sequences,
 CC given in the specification; (b) comprising any of the 275 300-3500
 CC nucleotide sequences, given in the specification; or (c) comprising the
 CC full-length coding sequence of the nucleotide sequences given in the
 CC specification, or of the DNA deposited under any of the American Type
 CC Culture Collection (ATCC) Accession Numbers listed in the specification.
 CC Also included are a vector comprising the novel nucleic acid, a host cell
 CC comprising the vector, producing a PRO polypeptide, the isolated PRO
 CC polypeptides detailed above, a chimeric molecule comprising the PRO
 CC polypeptide of fused to a heterologous amino acid sequence, an anti-PRO
 CC antibody, detecting a PRO polypeptide in a sample suspected of containing
 CC the PRO polypeptide, linking a bioactive molecule to a cell expressing a
 CC PRO polypeptide, modulating at least one biological activity of a cell
 CC expressing a PRO polypeptide, stimulating the release of tumor necrosis
 CC factor-alpha (TNF-alpha) from human blood, (or proteoglycans from
 CC cartilage or cytokine from peripheral blood mononuclear cells (PBMC)),
 CC modulating the uptake of glucose or FFA by skeletal muscle cells or
 CC adipocyte cells, stimulating the proliferation or differentiation of

CC chondrocyte cells (or proliferation of or gene expression in pericyte
 CC cells), stimulating the proliferation of inner ear utricular supporting
 CC cells (or of T-lymphocyte cells, or of endothelial cells), inhibiting the
 CC binding of A-peptide to factor VIIA, or differentiation of adipocyte
 CC cells, detecting the presence of a tumour in a mammal and an
 CC oligonucleotide probe derived from any of the nucleotide sequences given
 CC in the specification. The polynucleotide is useful in molecular biology,
 CC including uses as hybridisation probes, in chromosome and gene mapping,
 CC in generating antisense RNA and DNA, and in gene therapy. The
 CC polynucleotide may also be used in preparing PRO polypeptides by
 CC recombinant techniques, and in generating either transgenic animals or
 CC knock-out animals which, in turn, are useful in the development and
 CC screening of therapeutically useful reagents. The PRO polypeptide or the
 CC antibody is used in preparing a medicament for treating a condition
 CC responsive to the polypeptide or antibody, such as tumours, and in
 CC various diagnostic assays. The present sequence represents a PRO
 CC polypeptide
 XX
 SQ Sequence 81 AA;

Query Match 100.0%; Score 442; DB 6; Length 81;
 Best Local Similarity 100.0%; Pred. No. 2,1e-43; Mismatches 0; Gaps 0;
 Matches 81; Conservative 0; Indels 0;

Qy 1 MRLVLSLLCTLLCFISFTGGRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60
 Db 1 MRLVLSLLCTLLCFISFTGGRPAKWSGRRTRLCRRVSPNSTNLKGHHVRLC 60

Qy 61 KPKCLEPPEPLWVPGALPOV 81
 Db 61 KPKCLEPPEPLWVPGALPOV 81

Result 11

AB066920

ID AB066920 standard; protein; 81 AA.

AC AB066920;

XX 27-MAY-2003 (first entry)

DE Human secreted/transmembrane, PRO, protein SEQ ID 150.

XX Human; secreted protein; transmembrane protein; PRO;

KW inflammatory disease; organ failure; atherosclerosis; cardiac injury;

KW infertility; birth defects; premature aging; AIDS; biosensor;

KW acquired immunodeficiency syndrome; cancer; diabetic complication;

XX bioreactor; tumour.

XX Homo sapiens.

OS US2003032155-A1.

PN 13-FEB-2003.

PD 03-MAY-2002; 2002US-00137865.

XX 31-MAR-1997; 97WO-US005230.

PR 12-JUN-1996; 96WO-US012456.

PR 14-JUL-1996; 96WO-US014552.

PR 28-AUG-1996; 96WO-US017888.

PR 10-SEP-1996; 96WO-US018824.

PR 14-SEP-1996; 96WO-US019093.

PR 14-SEP-1996; 96WO-US019094.

PR 14-SEP-1996; 96WO-US019177.

PR 16-SEP-1996; 96WO-US019310.

PR 17-SEP-1996; 96WO-US019437.

PR 07-OCT-1996; 96WO-US021141.

PR 29-OCT-1996; 96WO-US022992.

PR 29-OCT-1996; 96WO-US022992.

PR 20-NOV-1996; 96WO-US024855.

PR 01-DEC-1996; 96WO-US025108.

PR 05-JAN-1999; 99WO-US000106.

PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030939.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 05-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US000365.
PR 18-FEB-2000; 2000WO-US000431.
PR 22-FEB-2000; 2000WO-US000432.
PR 24-FEB-2000; 2000WO-US000414.
PR 24-FEB-2000; 2000WO-US000504.
PR 01-MAR-2000; 2000WO-US000501.
PR 02-MAR-2000; 2000WO-US000546.
PR 10-MAR-2000; 2000WO-US000581.
PR 15-MAR-2000; 2000WO-US000631.
PR 20-MAR-2000; 2000WO-US000684.
PR 20-MAR-2000; 2000WO-US000777.
PR 21-MAR-2000; 2000WO-US000732.
PR 30-MAR-2000; 2000WO-US000839.
PR 17-MAY-2000; 2000WO-US013705.
PR 23-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US047259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 14-MAR-2001; 2001US-00802706.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.

PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 23-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.

XX (GENTH) GENENTECH INC.

XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;

PI Garritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2003-331925/31.

DR N-PSDB; ACA04098.

PT New secreted and transmembrane nucleic acids and polypeptides, designated

PT as PRO, useful for treating inflammation, organ failure, atherosclerosis,

PT cardiac injury, infertility, birth defects, premature aging, AIDS, or

PT cancer.

XX Claim 12; Fig 150; 659pp; English.

XX The invention relates to an isolated nucleic acid comprising, or which is
CC at least 80% identical to, or the full-length coding sequence of, any of
CC the 275 nucleotide sequences, encoding the corresponding PRO polypeptide
CC (one of 275 secreted or transmembrane proteins). The nucleic acid further
CC comprises the full-length coding sequence of the DNA deposited under
CC American Type Culture Collection (ATCC) accession number in a list given
CC in the specification. Also included are vectors and host cells for
CC producing PRO proteins, PRO fusion proteins, anti-PRO antibodies, PRO
CC extracellular domains and mature sequences, methods of detecting PRO
CC proteins, methods for stimulating the release of TNF-alpha (tumour
CC necrosis factor alpha) from human blood, (and the proliferation of
CC differentiation of chondrocyte cells, the release or proteoglycans from
CC cartilage, proliferation of inner ear utricular supporting cells, the
CC proliferation of T-lymphocyte cells, the release of a cytokine from
CC peripheral blood mononuclear cells (PBMC), or the proliferation of
CC endothelial cells), a method for modulating the uptake of glucose or free
CC fatty acid (FPA) by skeletal muscle cells, a method for inhibiting the
CC binding of A-peptide to factor VIIA, or the differentiation of adipocyte
CC cells, a method for detecting the presence of a tumour in a mammal and an
CC oligonucleotide probe derived from any of the nucleotide sequences cited
CC above. The nucleic acids and polypeptides are useful for treating
CC inflammatory diseases, organ failure, atherosclerosis, cardiac injury,
CC infertility, birth defects, premature aging, AIDS (acquired
CC immunodeficiency syndrome), cancer, or diabetic complications. The
CC nucleic acids are useful as hybridisation probes, in chromosome and gene
CC mapping, and in generating antisense RNA or DNA. The polypeptides are
CC useful as pharmaceuticals, diagnostics, biosensors or biotransformers. Both
CC are useful in tissue typing. The present sequence represents a PRO
CC protein of the invention

XX Sequence 81 AA;

Query Match 100.0%; Score 442; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 2,1e-43;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLIVSSLLCILLIFSTEGKRRPAKAWGRRTRLCCHRVPPSPNLTNGHHVRLC 60
Db 1 MRLIVSSLLCILLIFSTEGKRRPAKAWGRRTRLCCHRVPPSPNLTNGHHVRLC 60
QY 61 KPCKLEPPRLWVVPALPOV 81
Db 61 KPCKLEPPRLWVVPALPOV 81

```
RESULT 12
ADAl1060
ID ADAl1060 standard; protein; 81 AA.
XX
AC ADAl1060;
XX
DT 06-NOV-2003 (first entry)
XX
DE Human cDNA differentially expressed in colon cancer #126 product.
XX
KM differential expression; colon cancer; cancer; human.
XX
OS Homo sapiens.
XX
PN US2002160382-A1.
XX
PD 31-OCT-2002.
XX
PF 11-OCT-2001; 2001US-00981353.
XX
PR 11-OCT-2000; 2000US-0239841P.
XX
PA (LASEK/) LASEK A W.
PA (JONE/) JONES D A.
PI Lasek AW, Jones DA;
XX
DR WPI: 2003-265756/26.
DR N-PSDB; ADAl1059.
XX
PT New combination comprising cDNAs that are differentially expressed in
PT colon disorder, useful for diagnosing, treating, staging or monitoring
PT treatment for colon cancers.
XX
PS Claim 14; SEQ ID NO 178; 231pp; English.
XX
XX The invention relates to a combination comprising cDNAs that are
XX differentially expressed in colon disorder. The methods and compositions
XX of the present invention are useful for diagnosing, treating, staging or
XX monitoring treatment for colon cancer. They are also useful in high
XX throughput methods for using cDNAs to detect differential expression of
XX nucleic acids in a sample, screening molecules or compounds to identify a
XX ligand which specifically binds a cDNA and using a protein to screen
XX molecules or compounds to identify at least one ligand which specifically
XX binds the protein. The present sequence represents the amino acid
XX sequence of a human cDNA differentially expressed in colon cancer
XX protein.
XX
SQ Sequence 81 AA;
XX
Query Match 100.0%; Score 442; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 2.1e-43;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRLVLVSLILCLLFCSTFSTEGKRRPAKWSGRRTSLCCHRVSPNSTNKGHHVRLC 60
DB 1 MRLVLVSLILCLLFCSTFSTEGKRRPAKWSGRRTSLCCHRVSPNSTNKGHHVRLC 60
QY 61 KPCKLEPPEPRLMVVPGALPOV 81
DB 61 KPCKLEPPEPRLMVVPGALPOV 81
RESULT 13
ADAl5669
ID ADAl5669 standard; protein; 81 AA.
XX
AC ADAl5669;
XX
DT 20-NOV-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO3446.
XX
```

```
KW Human; secreted and transmembrane protein; PRO;
KW Tumour necrosis factor alpha release; TNF-alpha release;
KW glucose uptake modulator; FFA uptake modulator;
KW cell proliferation stimulator; cell differentiation stimulator;
KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;
KW gene therapy; chromosome identification; chromosome marker.
XX
OS Homo sapiens.
XX
PN US2003022328-A1.
XX
PD 30-JAN-2003.
XX
PF 16-APR-2002; 2002US-00123904.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
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PR 21-MAR-2000; 2000MO-US007532.
 PR 30-MAR-2000; 2000MO-US008439.
 PR 17-MAR-2000; 2000MO-US013705.
 PR 22-MAY-2000; 2000MO-US014042.
 PR 30-MAY-2000; 2000MO-US014941.
 PR 02-JUN-2000; 2000MO-US015264.
 PR 28-JUL-2000; 2000MO-US020710.
 PR 11-AUG-2000; 2000MO-US022031.
 PR 23-AUG-2000; 2000MO-US023522.
 PR 24-AUG-2000; 2000MO-US023528.
 PR 08-NOV-2000; 2000MO-US030952.
 PR 10-NOV-2000; 2000MO-US030873.
 PR 01-DEC-2000; 2000MO-US032678.
 PR 20-DEC-2000; 2000MO-US047259.
 PR 20-DEC-2000; 2000MO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001MO-US006520.
 PR 01-MAR-2001; 2001MO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00806689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001MO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001MO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001MO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001MO-US020116.
 PR 29-JUN-2001; 2001MO-US020166.
 PR 09-JUL-2001; 2001MO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX (GENTH) GENENTECH INC.
 PA Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
 PI Geritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S,
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 DR WPI, 2003-584997/55.
 DR N-PSDB; ADA45668.
 XX Novel secreted and transmembrane polypeptide for modulating biological
 PT activity of cell expressing the polypeptide, identifying agonists or
 PT antagonists of polypeptide, and as molecular weight markers.
 XX Claim 12; Fig 150; 659pp; English.

CC are useful for isolating genomic and cDNA nucleotide sequences or
 CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
 CC in assays to identify other proteins or molecules involved in binding
 CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
 CC and gene mapping, in generation of antisense RNA and DNA, in the
 CC preparation of PRO polypeptide, for generating transgenic animals or
 CC knockout animals which in turn are useful in the development and
 CC screening of therapeutically useful reagents, in gene therapy, for
 CC chromosome identification, as chromosome marker, and for generating
 CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
 CC detecting its expression in specific cells, tissues or serum, and for
 CC affinity purification of PRO from recombinant cell culture or natural
 CC sources. (I) and (II) are useful for tissue typing. This is the amino
 CC acid sequence of a novel human secreted and transmembrane PRO
 CC polypeptide.
 XX SQ Sequence 81 AA;
 Query Match 100.0%; Score 442; DB 6; Length 81;
 Best Local Similarity 100.0%; Pred. No. 2, 1e-43;
 Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MRLVLSILLCILLCFSTEGKRRPAKAWSGRRTRLCCHRVSPNSTLKGHYRLC 60
 DB 1 MRLVLSILLCILLCFSTEGKRRPAKAWSGRRTRLCCHRVSPNSTLKGHYRLC 60
 QY 61 KPCKLEPEPRLMVWPGALPGV 81
 DB 61 KPCKLEPEPRLMVWPGALPGV 81
 RESULT 14
 ID ADA76100 standard; protein; 81 AA.
 XX ADA76100;
 AC 20-NOV-2003 (first entry)
 DT Human PRO polypeptide #75.
 DE Human
 XX Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KW liver; macrovascular endothelial cell; glucose; FFA;
 KW skeletal muscle cell; adipocyte cell; pericyte cell;
 KW inner ear utricular supporting cell; T-lymphocyte cell;
 KW endothelial cell tube formation; bone disorder; cartilage disorder;
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KW immune system cell infiltration.
 XX Homo sapiens.
 OS US2003073212-A1.
 PN 17-APR-2003.
 XX 16-APR-2002; 2002US-00123903.
 PF 31-MAR-1997; 97MO-US005230.
 PR 12-JUN-1998; 98MO-US012456.
 PR 14-JUL-1998; 98MO-US014552.
 PR 28-AUG-1998; 98MO-US017888.
 PR 10-SEP-1998; 98MO-US018824.
 PR 14-SEP-1998; 98MO-US019093.
 PR 14-SEP-1998; 98MO-US019094.
 PR 14-SEP-1998; 98MO-US019177.
 PR 16-SEP-1998; 98MO-US019330.
 PR 17-SEP-1998; 98MO-US019437.
 PR 07-OCT-1998; 98MO-US021141.
 PR 29-OCT-1998; 98MO-US022991.
 PR 29-OCT-1998; 98MO-US022992.

PR 20-NOV-1998; 98WO-US024855.
 PR 01-DEC-1998; 98WO-US025108.
 PR 05-JAN-1999; 99WO-US000106.
 PR 08-MAR-1999; 99WO-US005028.
 PR 10-MAR-1999; 99WO-US005190.
 PR 20-APR-1999; 99WO-US008615.
 PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US012252.
 PR 01-SEP-1999; 99WO-US020111.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020944.
 PR 15-SEP-1999; 99WO-US021090.
 PR 05-OCT-1999; 99WO-US021547.
 PR 29-NOV-1999; 99WO-US023089.
 PR 30-NOV-1999; 99WO-US028214.
 PR 30-NOV-1999; 99WO-US028313.
 PR 01-DEC-1999; 99WO-US028409.
 PR 01-DEC-1999; 99WO-US028301.
 PR 02-DEC-1999; 99WO-US028634.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028564.
 PR 16-DEC-1999; 99WO-US028565.
 PR 20-DEC-1999; 99WO-US030095.
 PR 20-DEC-1999; 99WO-US030911.
 PR 22-DEC-1999; 99WO-US030999.
 PR 30-DEC-1999; 99WO-US030720.
 PR 30-DEC-1999; 99WO-US031243.
 PR 05-JAN-1999; 99WO-US031274.
 PR 06-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 18-FEB-2000; 2000WO-US004342.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US004914.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005746.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 10-MAR-2000; 2000WO-US006319.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 11-AUG-2000; 2000WO-US020710.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00808689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 18-MAY-2001; 2001US-00854280.
 PR 25-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 01-JUN-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.

PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.

XX (GENTECH) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W,
 PI Gerltsen ME, Goddard A, Goddard PJ, Gurney AU, Sherwood S,
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI: 2003-687639/65.

DR N-PSDB; ADA76099.

PT New isolated nucleic acid encoding a secreted and transmembrane
 PT polypeptide, designated e.g. PRO114 or PRO4978, useful in chromosome and
 gene mapping, in generating antisense RNA and DNA, and in gene therapy.

XX Claim 12; Fig 150; 659pp; English.

XX The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems.
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various thalassemias and conditions which
 CC may benefit from enhanced local immune system cell infiltration. This
 CC sequence represents a human PRO polypeptide of the invention. Note: The
 CC sequence data for this patent is also available in electronic format from
 CC USPTO at seqdata.uspto.gov/sequence.html.

XX Sequence 81 AA;

Query Match 100.0%; Score 442; DB 6; Length 81;
 Best Local Similarity 100.0%; Pred. No. 2,1e-43;
 Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLVLTSLTCLLCSIFSTEGKRRPAKWSGRRRLCCRRVSPNSTNKGHHVRLC 60
 DB 1 MRLVLTSLTCLLCSIFSTEGKRRPAKWSGRRRLCCRRVSPNSTNKGHHVRLC 60

invention also relates to an antibody which specifically binds to a PRO polypeptide, a method for stimulating the release of tumour necrosis factor- α (TNF- α) from human blood, a method for stimulating the proliferation or differentiation of chondrocyte cells and a method for detecting the presence of a tumour in a mammal (e.g. lung, colon, breast, prostate, rectal, cervical and liver tumours). The polynucleotides are useful in molecular biology, including uses as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA and in gene therapy. The polynucleotides may also be used in preparing PRO polypeptides by recombinant techniques and in generating either transgenic animals or knock-out animals which are useful in the development and screening of therapeutically useful reagents. The PRO polypeptides or antibodies are used in preparing a medicament for treating a condition responsive to the polypeptides or antibodies, such as tumours, for modulating the uptake of glucose or FFA by adipocyte cells, for stimulating the proliferation of or gene expression in pericyte cells, for stimulating the release of proteoglycans from cartilage, for stimulating the proliferation of inner ear utricular supporting cells, for stimulating the release of cytokines from PBMC cells, for inhibiting the binding of A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte cells and for stimulating the proliferation of endothelial cells. This sequence represents a human PRO polypeptide of the invention. Note: The sequence data for this patent is also available in electronic format from USPRO at seqdata.uspto.gov/sequence.htm.

SQ Sequence 81 AA;

Query Match

Query Match	100.0%;	Score 442;	DB 6;	Length 81;
Best Local Similarity	100.0%;	Pred. No. 2.1e-43;		
Matches	81;	Conservative	0;	Mismatches 0;
			Indels	0;
			Gaps	0;

QY	1	MRLLVLSLLCILLCLLCISIFSTEGKRRPALAMSGRRTRLCCHVPSNPSTNLKGHVR	60
Db	1	MRLLVLSLLCILLCLLCISIFSTEGKRRPALAMSGRRTRLCCHVPSNPSTNLKGHVR	60
QY	61	KPKCLPEPRRLMVTGALPOV	81
Db	61	KPKCLPEPRRLMVTGALPOV	81

Search completed: May 3, 2005, 20:58:38
Job time : 82.8913 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 3, 2005, 20:38:54 ; Search time 17.0217 Seconds

(without alignments)
457.859 Million cell updates/sec

Title: US-09-724-000A-5

Perfect score: 442
Sequence: 1 MRLVLSLLCILLCPISIF.....PCKLPEPRMLWVPGALPGV 81

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 283416 seqs, 96216763 residues

Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database : PIR 79:*

1: p1r1:*
2: p1r2:*
3: p1r3:*
4: p1r4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	69	15.6	875	1	A48719	3',5'-cyclic-GMP p
2	66.5	15.0	462	1	Q0BBD4	HHRF4 protein - hu
3	65.5	14.8	509	2	C85169	cytochrome P450 11
4	65.5	14.8	515	2	H71417	cytochrome P450 -
5	63	14.3	197	2	AE2905	2'-5' RNA ligase 1
6	63	14.3	212	2	F97680	hypothetical 35.7K
7	62.5	14.1	146	2	A36302	submaxillary prote
8	62	14.0	586	2	S59301	homochallid swith
9	61.5	13.9	146	2	I53030	submaxillary prote
10	61.5	13.9	211	2	E70253	hypothetical prote
11	61	13.8	154	2	S58075	probable olfactory
12	61	13.8	165	2	H84634	hypothetical prote
13	61	13.8	261	2	U00137	hypothetical 30.1K
14	61	13.8	622	2	S63539	GABA/beta-alanine
15	60.5	13.7	225	2	S45356	probable serine pr
16	60.5	13.7	247	2	S58394	myelin/oligodendro
17	60.5	13.7	287	2	A11072	conserved hypochet
18	60.5	13.7	377	2	A48018	mucin 7 precursor,
19	60.5	13.7	782	2	I48746	semaphorin C - mou
20	60.5	13.7	862	2	I49583	differentiation an
21	60.5	13.7	868	2	A46512	CD22 homolog/B lym
22	60	13.6	477	2	A34369	t-plasminogen acti
23	60	13.6	477	2	J50598	t-plasminogen acti
24	60	13.6	477	2	T47753	hypothetical prote
25	60	13.6	1055	2	T05663	hypothetical prote
26	59.5	13.5	117	2	F72526	hypothetical prote
27	59.5	13.5	461	2	A82220	hypothetical prote
28	59.5	13.5	878	2	T17245	hypothetical prote
29	59.5	13.5	1172	2	A42567	thrombospondin 2 p

30	59.5	13.5	1210	1	Q0H0E	epidermal growth f
31	59	13.3	55	2	E58892	H+-transporting tw
32	59	13.3	157	2	S58002	probable olfactory
33	59	13.3	167	2	D81049	hypothetical prote
34	59	13.3	172	2	B81828	hypothetical integ
35	59	13.3	381	2	E83352	methaneseulionate s
36	59	13.3	391	2	I50702	transcription fact
37	59	13.3	403	2	T49003	protein kinase-lik
38	59	13.3	477	2	J50597	t-plasminogen acti
39	59	13.3	537	2	D86299	hypothetical prote
40	59	13.3	543	2	B54424	acrosomal protein
41	58.5	13.2	114	2	T02374	finger protein BBF
42	58.5	13.2	130	2	S30008	hypothetical prote
43	58.5	13.2	548	2	AG0304	probable BCCR-fam
44	58.5	13.2	616	2	A40595	methylnalonyl-CoA
45	58	13.1	76	2	T43204	hypothetical prote

ALIGNMENTS

RESULT 1
A48719
3',5'-cyclic-GMP phosphodiesterase (EC 3.1.4.35) 5A - bovine
N:Alternate names: PDE5A1
C:Species: Bos primigenius taurus (cattle)
C>Date: 26-Aug-1999 #sequence_revision 26-Aug-1999 #text_change 26-Aug-1999
C:Accession: A48719; A35807
J:McAllister-Lucas, L.W.; Sonnenburg, W.K.; Kadlecsek, A.; Seger, D.; Le Trong, H.; Colb, J. Biol. Chem. 268, 22863-22873, 1993
A:Title: The structure of a bovine lung cGMP-binding, cGMP-specific phosphodiesterase d
A:Reference number: A48719; PMID:94043054; PMID:8226796
A:Accession: A48719
A:Molecule type: mRNA
A:Residues: 1-875 <MCA>
A:Cross-references: GB:I16545
A:Experimental source: lung
R:Thomas, M.K.; Francis, S.H.; Corbin, J.D.
J. Biol. Chem. 265, 14971-14978, 1990
A:Title: Substrate- and kinase-directed regulation of phosphorylation of a cGMP-binding
A:Reference number: A35807; PMID:9036872; PMID:2168396
A:Accession: A35807
A:Molecule type: protein
A:Residues: 90-101 <THO>
C:Superfamily: 3',5'-cyclic-GMP phosphodiesterase 5A; 3',5'-cyclic-nucleotide phosphodi
C:Keywords: alternative splicing; cGMP binding; phosphoprotein; phosphoric diester hydr
F:602-825/Domain: 3',5'-cyclic-nucleotide phosphodiesterase homology <CNP>
F:92/Binding site: phosphate (Ser) (covalent) (by cGMP-dependent kinase) #status predict

Query Match
Best Local Similarity 36.1%; Score 69; DB 1; Length 875;
Matches 22; Conservative 4; Mismatches 27; Indels 8; Gaps 5;

QY 17 FSIFSTGKRRPKAWSGRRTRLCRRVPSNSTNLKHHVRLCKPCKLPEPRLL-WVVP 75
Db 32 FSIYFKKGTREMANAFARV----HTIPCKE-GIKG-HTSCS-CPLQSPRAESVSP 84

QY 76 G 76
Db 85 G 85

RESULT 2
Q0BBD4
HHRF4 protein - human cytomegalovirus (strain AD169)
N:Alternate names: hypothetical protein US29
C:Species: human cytomegalovirus, human herpesvirus 5
C>Date: 30-Sep-1989 #sequence_revision 30-Sep-1989 #text_change 09-Jul-2004
C:Accession: D27216; S08943
R:Weston, K.; Bartell, B.G.
J. Mol. Biol. 192, 177-208, 1986
A:Title: Sequence of the short unique region, short repeats, and part of the long repeat
A:Reference number: A92935; PMID:87169717; PMID:3031311

A:Accession: D27216
 A:Molecule type: DNA
 A:Residues: 1-462 <MES>
 A:Cross-references: UNIPROT:P09705; EMBL:X04650; NID:G59801; PIDN:CAA28339.1; PID:G59808
 A:Experimental source: strain AD169
 R:Chen, M.S.; Bankier, A.T.; Beck, S.; Bohni, R.; Brown, C.M.; Cerny, R.; Hornell, T.; M.; Barrell, B.G.
 Curr. Top. Microbiol. Immunol. 154, 125-169, 1990
 A:Title: Analysis of the protein-coding content of the sequence of human cytomegalovirus
 A:Reference number: S09743; MUID:90269039; PMID:216119
 A:Accession: S09943
 A:Molecule type: DNA
 A:Status: nucleic acid sequence not shown; translation not shown
 A:Residues: 1-462 <CHE>
 A:Cross-references: EMBL:X17403; NID:G59591; PIDN:CAA35261.1; PID:G1780960
 A:Experimental source: strain AD169
 A:Note: this sequence was submitted to the EMBL Data Library, December 1989
 C:Genetics:
 A:Gene: HHRF4
 C:Superfamily: cytomegalovirus HHRF4 protein

Query Match 15.0%; Score 66.5; DB 1; Length 462;
 Best Local Similarity 25.8%; Pred. No. 12;
 Matches 23; Conservative 7; Mismatches 42; Indels 17; Gaps 3;
 Oy 4 LVLVSSLLCTLLC---FSIFSTGKRRPAKAMS-----GRRRLCCH---VPS 46
 Db 258 LCVDLIVCYLLALLLLELVPMBAVNHPLLFRRVALLSPSTSKVDRAVLCILRRFGCLPP 317
 Oy 47 PNSTNLKGNHVRICKPCCKLEPPRLMVP 75
 Db 318 PPSVAPPEGKKELPQAQALSPPLTTWSLP 346

RESULT 3
 C85169
 cytochrome P450 like protein [imported] - Arabidopsis thaliana
 C:Species: Arabidopsis thaliana (mouse-ear cress)
 C:Date: 16-Feb-2001 #sequence_revision 16-Feb-2001 #text_change 09-Jul-2004
 C:Accession: C85169
 R:Anonymous, The European Union Arabidopsis Genome Sequencing Consortium, The Cold Spring
 Nature 402, 769-777, 1999
 A:Title: Sequence and analysis of chromosome 4 of the plant Arabidopsis thaliana.
 A:Reference number: A85001; MUID:20083468; PMID:10617198
 A:Accession: C85169
 A:Status: preliminary
 A:Molecule type: DNA
 A:Residues: 1-509 <STO>
 A:Cross-references: UNIPROT:Q23391; GB:NC_001268; NID:G5280993; PIDN:CA845998.1; GSPDB:C
 C:Genetics:
 A:Gene: d13720W
 A:Map position: 4
 C:Superfamily: human cytochrome P450 CYP2D6; cytochrome P450 homology

Query Match 14.8%; Score 65.5; DB 2; Length 509;
 Best Local Similarity 30.6%; Pred. No. 16;
 Matches 19; Conservative 9; Mismatches 11; Indels 23; Gaps 3;
 Oy 1 MRLVLSLLCTLL-LICFSIF-----STEGKRRPAKAMSGRRRLCCHRVSPNSTNLK 53
 Db 1 MAVLIIFILLCLSLFLCYSLFFMKPKXSRDGRDLP-----PSPSLPPI 44

Oy 54 GH 55
 Db 45 GH 46

RESULT 4
 H71417
 cytochrome P450 - Arabidopsis thaliana
 C:Species: Arabidopsis thaliana (mouse-ear cress)
 A:Variety: Columbia
 C:Date: 03-Aug-1998 #sequence_revision 03-Aug-1998 #text_change 09-Jul-2004

C:Accession: H71417
 R:Bevan, M.; Bancroft, I.; Bent, E.; Love, K.; Goodman, H.; Dean, C.; Bergkamp, R.; Dirk
 P.; Wedler, H.; Wedler, E.; Wambutt, R.; Wellenreger, T.; Pohl, T.M.; Terry, N.; Giel
 vanagh, T.; Hempel, S.; Kotter, P.; Entian, K.D.; Rieger, M.; Schaeffer, M.; Funk, B.
 Nature 391, 485-488, 1998
 A:Authors: Mueller-Auer, S.; Silvey, M.; James, R.; Montfort, A.; Pons, A.; Puigdomenech
 ethoff, A.; Moores, T.; Jones, J.D.G.; Eneva, T.; Palme, K.; Benes, V.; Rechman, S.; Ans
 C.; Chalavatzis, N.
 A:Title: Analysis of 1.9 Mb of contiguous sequence from chromosome 4 of Arabidopsis thal
 A:Reference number: A71400; MUID:98121113; PMID:9461215
 A:Accession: H71417
 A:Status: preliminary; nucleic acid sequence not shown; translation not shown
 A:Molecule type: DNA
 A:Residues: 1-515 <BEV>
 A:Cross-references: UNIPROT:Q23391; GB:Z97338; NID:G2244870
 C:Genetics:
 A:Map position: 4COP9-4G3845
 C:Superfamily: human cytochrome P450 CYP2D6; cytochrome P450 homology
 F:308-476/Domain: cytochrome P450 homology <P45>

Query Match 14.8%; Score 65.5; DB 2; Length 515;
 Best Local Similarity 30.6%; Pred. No. 16;
 Matches 19; Conservative 9; Mismatches 11; Indels 23; Gaps 3;
 Oy 1 MRLVLSLLCTLL-LICFSIF-----STEGKRRPAKAMSGRRRLCCHRVSPNSTNLK 53
 Db 1 MAVLIIFILLCLSLFLCYSLFFMKPKXSRDGRDLP-----PSPSLPPI 44

Oy 54 GH 55
 Db 45 GH 46

RESULT 5
 AE2905
 2'-5' RNA ligase ligT [imported] - Agrobacterium tumefaciens (strain C58, Dupont)
 C:Species: Agrobacterium tumefaciens
 C:Date: 11-Jan-2002 #sequence_revision 11-Jan-2002 #text_change 12-Jul-2004
 C:Accession: AE2905
 R:Wood, D.W.; Serubal, J.C.; Kaul, R.; Monks, D.; Chen, L.; Wood, G.E.; Chen, Y.; Woo, L
 erage, G.; Gillet, W.; Grant, C.; Guenther, D.; Kutayavayn, T.; Levy, R.; Li, M.; McCell
 i, Kary, P.; Romero, P.; Zhang, S.
 Science 294, 2317-2323, 2001
 A:Authors: Yoo, H.; Tao, Y.; Biddle, P.; Jung, M.; Kreppan, W.; Perry, M.; Gordon-Kamm,
 ster, E.W.
 A:Title: The Genome of the Natural Genetic Engineer Agrobacterium tumefaciens C58.
 A:Reference number: AB2577; MUID:21608550; PMID:11743193
 A:Accession: AE2905
 A:Status: preliminary
 A:Molecule type: DNA
 A:Residues: 1-197 <KUR>
 A:Cross-references: UNIPROT:Q8UC20; GB:AE008688; PIDN:AA143659.1; PID:G17741183; GSPDB:C
 A:Experimental source: strain C58 (Dupont)
 C:Genetics:
 A:Gene: ligT
 A:Map position: circular chromosome
 C:Superfamily: 2'-5' RNA ligase, prokaryotic ligT type

Query Match 14.3%; Score 63; DB 2; Length 197;
 Best Local Similarity 29.8%; Pred. No. 14;
 Matches 14; Conservative 7; Mismatches 18; Indels 8; Gaps 1;
 Oy 24 GKRPAKAMSGRRRLCCHRVSPNSTNLKGNHVRICKPCCKLEPPR 70
 Db 77 GSKRPHSIMAGVS-----PSPPMALQAEVERICQRIQIPDPDR 115

RESULT 6
 P97680
 hypothetical 35.7K protein in mala 3'region (orf1) [imported] - Agrobacterium tumefaciens
 C:Species: Agrobacterium tumefaciens
 C:Date: 30-Sep-2001 #sequence_revision 30-Sep-2001 #text_change 12-Jul-2004
 C:Accession: P97680

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OM protein - protein search, using sw model

Run on: May 3, 2005, 19:32:19 ; Search time 59.8696 Seconds

(without alignments)
692.813 Million cell updates/sec

Title: US-09-724-000A-5

Perfect score: 442
Sequence: 1 MRLVLSLLICILLCSIF.....PCKLEPRRLVWVPGALPOV 81

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1612378 seqs, 512079187 residues

Total number of hits satisfying chosen parameters: 1612378

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Uniprot 03:.*
1: uniprot_sprot:.*
2: uniprot_trembl:.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	442	100.0	81	2	06UWK7
2	75	17.0	688	2	07XUH2
3	75	17.0	763	2	09FUT8
4	75	17.0	763	2	09LGD6
5	75	17.0	763	2	09LW12
6	75	17.0	806	2	09LW12
7	72	16.3	173	2	06IGR7
8	71.5	16.2	714	2	P70593
9	70.5	16.1	564	2	08MKR1
10	70.5	16.0	336	2	08WV5
11	70.5	16.0	523	2	000480
12	70	15.8	86	2	09N0D5
13	69.5	15.7	524	2	09LJY9
14	69	15.6	865	1	CNSA_BOVIN
15	68	15.4	812	2	0989M6
16	67	15.2	297	2	069L70
17	67	15.2	864	2	09LW12
18	66.5	15.0	462	1	US29_HCVWA
19	66.5	15.0	462	1	06SVT8
20	66.5	15.0	462	2	07MH2
21	66.5	15.0	2307	2	087126
22	66	14.9	202	2	070259
23	66	14.9	315	2	08NDQ0
24	66	14.9	217	2	08K9R9
25	66	14.9	786	2	075GM7
26	65.5	14.8	109	2	06UW64
27	65.5	14.8	509	2	023391
28	65	14.7	513	2	07PNU0
29	65	14.7	535	2	08LW92
30	65	14.7	948	1	CDA2_HUMAN
31	64.5	14.6	513	2	08LEF8

32	64.5	14.6	513	2	09LJY8	091JY8	arabidopsis
33	64.5	14.6	817	2	09AN48	09AN48	bradyrhizob
34	64	14.5	235	2	08BSU3	08BSU3	mus musculus
35	64	14.5	291	2	075H76	075H76	oryza sativ
36	64	14.5	318	1	ODCS_HUMAN	08G88	homo sapien
37	64	14.5	37	2	08C265	08C265	mus musculus
38	64	14.5	445	2	07OPG1	07OPG1	giardia lam
39	64	14.5	662	2	06BAL7	06BAL7	mus musculus
40	64	14.5	716	2	08K5B1	08K5B1	mus musculus
41	64	14.5	716	2	08R501	08R501	mus musculus
42	63.5	14.4	220	2	07NT88	07NT88	chromobacte
43	63.5	14.4	677	2	0725Y7	0725Y7	desulfovibr
44	63.5	14.4	940	2	06DD60	06DD60	xenopus lae
45	63	14.3	152	2	08WM11	08WM11	macaca mula

ALIGNMENTS

RESULT 1	ID	PRELIMINARY	PRT	81 AA.
06UWK7	06UWK7			
AC	06UWK7			
DT	05-JUL-2004 (TREMBLrel. 27, Created)			
DT	05-JUL-2004 (TREMBLrel. 27, Last sequence update)			
DT	05-JUL-2004 (TREMBLrel. 27, Last annotation update)			
DE	R1LV1833.			
GN	ORFNames=UNQ1833;			
OS	Homo sapiens (Human)			
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
OC	Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.			
OX	NCBI_TaxID=9606;			
RN	[1]			
RP	SEQUENCE FROM N.A.			
RX	MDLLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;			
RA	Clark H.F., Gurney A.B., Abaya B., Baker K., Baldwin D., Brush J.,			
RA	Chen J., Chow B., Chu C., Crowley C., Currell B., Deuel B., Dowd P.,			
RA	Baton D., Foster J., Grimaldi C., Gu Q., Hase P.E., Heldens S.,			
RA	Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,			
RA	Lewis L., Liao D., Mark W., Robble E., Sanchez C., Schoenfeld J.,			
RA	Seshagiri S., Simons L., Singh J., Smith V., Stinson J., Yagis A.,			
RA	Vandlen R., Watanabe C., Wieand D., Woods K., Xie M.H., Yansura D.,			
RA	Yi S., Yu G., Yuan J., Zhang W., Zhang Z., Goddard A., Wood W.I.,			
RA	Godowski P.			
RT	"The secreted protein discovery initiative (SPDI), a large-scale			
RT	effort to identify novel human secreted and transmembrane proteins: a			
RT	bioinformatics assessment."			
RL	Genome Res. 13:2265-2270(2003).			
DR	EMBL: AY58751; AAC89111.1; --			
DR	SEQUENCE 81 AA; 9173 MW; 276E720364160B8A CRC64;			
Query Match	100.0%; Score 442; DB 2; Length 81;			
Best Local Similarity	100.0%; Pred. No. 2.5e-41;			
Matches	81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
QY	1 MRLVLSLLICILLCSIFSTGKRRPAAMSGRRTRLCCHAVPSPNTLKGHYRLC 60			
DB	1 MRLVLSLLICILLCSIFSTGKRRPAAMSGRRTRLCCHAVPSPNTLKGHYRLC 60			
QY	61 KPCKLEPRRLVWVPGALPOV 81			
DB	61 KPCKLEPRRLVWVPGALPOV 81			
RESULT 2				
Q7XUH2	PRELIMINARY;	PRT;	688 AA.	
AC	Q7XUH2;			
DT	01-OCT-2003 (TREMBLrel. 25, Created)			
DT	01-MAR-2004 (TREMBLrel. 26, Last sequence update)			
DT	01-MAR-2004 (TREMBLrel. 26, Last annotation update)			
DE	OSJNB0020J04.10 protein.			
GN	Name=OSJNB0020J04.10;			

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OM protein - protein search, using sw model

Run on: May 3, 2005, 18:40:39 ; Search time 54.1087 Seconds
(without alignments)
407.427 Million cell updates/sec

Title: US-09-724-000A-6

Perfect score: 326
Sequence: 1 KRPPAKAMSGRRRTLCGRV.....PCKLEPPRLMVPVPGALPOV 57

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2105692 seqs, 386760381 residues
Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: A_Geneseq_16Dec04:*

1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	326	100.0	57	5 AAE16482	AAE16482 Human Sec
2	326	100.0	81	4 AAB90558	AAB90558 Human sec
3	326	100.0	81	4 AAU12246	AAU12246 Human PRO
4	326	100.0	81	5 ABG65411	ABG65411 Human alb
5	326	100.0	81	5 AAE16481	AAE16481 Human sec
6	326	100.0	81	5 ADG79531	ADG79531 Human sec
7	326	100.0	81	6 ABO17690	ABO17690 Novel hum
8	326	100.0	81	6 ABU80944	ABU80944 Human PRO
9	326	100.0	81	6 ABU66644	ABU66644 Human PRO
10	326	100.0	81	6 ABO24915	ABO24915 Novel sec
11	326	100.0	81	6 ABU66920	ABU66920 Human sec
12	326	100.0	81	6 ADA11060	ADA11060 Human CDN
13	326	100.0	81	6 ADA45669	ADA45669 Novel hum
14	326	100.0	81	6 ADA76100	ADA76100 Human PRO
15	326	100.0	81	6 ADA18750	ADA18750 Human PRO
16	326	100.0	81	6 ADA61373	ADA61373 Homo sapi
17	326	100.0	81	6 ADB19158	ADB19158 Novel hum
18	326	100.0	81	6 ADB27699	ADB27699 Human PRO
19	326	100.0	81	6 ADA86178	ADA86178 Novel hum
20	326	100.0	81	6 ADB15742	ADB15742 Human PRO
21	326	100.0	81	6 ADA67323	ADA67323 Human PRO
22	326	100.0	81	6 ADA80306	ADA80306 Human PRO
23	326	100.0	81	6 ADA85548	ADA85548 Human PRO
24	326	100.0	81	6 ADA85548	ADA85548 Human PRO
25	326	100.0	81	6 ADA85548	ADA85548 Human PRO

26	326	100.0	81	6 ADA96838	ADA96838 Human PRO
27	326	100.0	81	6 ADA79142	ADA79142 Human PRO
28	326	100.0	81	6 ADA87281	ADA87281 Novel hum
29	326	100.0	81	6 ADB16483	ADB16483 Human PRO
30	326	100.0	81	6 ADA91575	ADA91575 Novel hum
31	326	100.0	81	6 ADB14638	ADB14638 Human PRO
32	326	100.0	81	6 ADB18599	ADB18599 Novel hum
33	326	100.0	81	6 ADA93814	ADA93814 Human PRO
34	326	100.0	81	6 ADB19710	ADB19710 Novel hum
35	326	100.0	81	6 ADB13022	ADB13022 Human PRO
36	326	100.0	81	6 ABO43223	ABO43223 Novel hum
37	326	100.0	81	6 ADA74276	ADA74276 Human PRO
38	326	100.0	81	6 ADB24509	ADB24509 Human PRO
39	326	100.0	81	6 ADA82033	ADA82033 Human PRO
40	326	100.0	81	6 ADA74996	ADA74996 Human PRO
41	326	100.0	81	6 ADA85074	ADA85074 Novel hum
42	326	100.0	81	6 ADA84522	ADA84522 Novel hum
43	326	100.0	81	6 ADB29778	ADB29778 Human PRO
44	326	100.0	81	6 ADA80306	ADA80306 Human PRO
45	326	100.0	81	6 ADA75548	ADA75548 Human PRO

ALIGNMENTS

RESULT 1
AAE16482
ID AAE16482 standard; peptide, 57 AA.
AC
XX
XX AAE16482;
XX
DT 09-APR-2002 (first entry)
XX
DE Human Secreted epithelial colon stromal-1 (Secs-1) protein fragment.
XX
KW Secreted epithelial colon stromal-1; Secs-1; gene therapy; osteoporosis;
KW haematopoietic disorder; osteoporosis; osteogenesis imperfecta; cachexia;
KW Paget's disease; periodontal disease; hypercalcaemia; glomerulonephritis;
KW diabetes; obesity; osteopathic; cytostatic; nephrotoxic; antidiabetic;
KW anorectic; immunomodulator; antipsoriatic; vulnery; antifertility;
KW gynaecological; antitumor; antineoplastic; cancer; cell therapy; human.
XX
OS Homo sapiens.
XX
XX
XX W0200198497-A1.
XX
XX 27-DEC-2001.
XX
XX 28-NOV-2000; 2000MO-US032479.
XX
XX 21-JUN-2000; 2000US-00599087.
XX
XX 28-NOV-2000; 2000US-00724000.
XX
XX (AMGE-) AMGEN INC.
XX
XX Polverino AJ, Luechy R;
XX
XX WPI; 2002-122281/16.
XX
XX
XX Secreted epithelial colon stromal-1 polypeptides and nucleic acids,
PT useful for diagnosing, treating and preventing hematopoietic disorder.
PT osteoporosis, Paget's disease, cancer, diabetes.
PT
XX
XX Claim 14; Page 122; 134pp; English.
XX
XX The present invention relates to an isolated murine or human secreted
XX epithelial colon stromal-1 (Secs-1) polypeptide, its allelic or splice
XX variant, orthologue, fragment or mutant. Secs-1 gene is used in gene
XX therapy and cell therapy. Secs-1 is useful for identifying a compound
XX which binds to a Secs-1 polypeptide. Secs-1 is useful for treating,
XX preventing or ameliorating a disease condition such as haematopoietic
XX disorder, osteoporosis, osteopetrosis, osteogenesis imperfecta, Paget's
XX disease, periodontal disease, hypercalcaemia, acute glomerulonephritis,

CC chronic glomerulonephritis, cancer, diabetes, obesity or cachexia. Secs-1
CC is also useful for diagnosing a pathological condition which involves
CC determining the presence or amount of Secs-1 or polypeptide encoded by
CC Secs-1 DNA in a sample; and diagnosing a pathological condition, or
CC susceptibility to pathological condition based on the presence or amount
CC of expression of the polypeptide. The present sequence is human Secs-1
CC protein fragment

XX Sequence 57 AA;

Query Match 100.0%; Score 326; DB 5; Length 57;
Best Local Similarity 100.0%; Pred. No. 4,3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KRPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 57
DB 1 KRPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 57

RESULT 2

AAB90558
ID AAB90558 standard; protein; 81 AA.

XX AAB90558;

DT 01-JUN-2001 (first entry)

DE Human secreted protein, SEQ ID NO: 96.

XX Human; secreted protein; immunomodulatory; anti-sclerotic; dermatological;
XX anti-inflammatory; anti-HIV; cytostatic; cardiant; vascular;
XX anti-angiogenic; ophthalmological; neuroprotectant; noctropic;
XX anticonvulsant; antialzheimers; antiparkinsonian; antitubercial;
XX vulnery; vaccine; gene therapy; cancer; protein coordinate data;
KM infection.

OS Homo sapiens.

XX MO200121658-A1.

XX 29-MAR-2001.

XX 22-SEP-2000; 2000MO-US026013.

XX 24-SEP-1999; 99US-0155709P.

XX (HUMA-) HUMAN GENOME SCI INC.

XX N1 J, Baker KP, Birze CE, Ebner R, Fisceella M, Komatsoulis GA;
PI Lafleur DW, Moore PA, Olsen HS, Rosen CA, Ruben SA, Soppet DR;
PI Young PE, Wei P, Florence KA;

XX WPI; 2001-235311/24.

DR N-PSDB; AAF97898.

XX Nucleic acids encoding 32 human secreted polypeptides, useful for
PT preventing, diagnosing and/or treating e.g. cancers, Parkinson's disease
PT and diabetic retinopathy.

XX Claim 11; Page 783; 890pp; English.

XX The present sequence is one of 32 novel human secreted polypeptides. The
CC nucleic acid molecules and polypeptides may be used in the prevention,
CC diagnosis and treatment of diseases such as immune disorders (e.g.
CC multiple sclerosis, systemic lupus erythematosus and human immuno-
CC deficiency virus (HIV) infections), hyperproliferative disorders (e.g.
CC cancers and Gaucher's disease), cardiovascular diseases (e.g. Scimitar
CC syndrome, Chagas cardiomyopathy and coronary arteriosclerosis),
CC angiogenic disorders (e.g. corneal graft neovascularisation and diabetic
CC retinopathy), neurological disorders (e.g. Huntington's chorea,
CC Alzheimer's disease and Parkinson's disease), infectious diseases and/or
CC for promoting wound healing, regeneration and/or chemotaxis. The nucleic
CC acid molecules may be used to produce the secreted polypeptides. They may

CC also be used as DNA probes in diagnostic assays to detect and quantitate
CC the presence of similar nucleic acid sequences in samples. The
CC polypeptides may be used as antigens in the production of antibodies and
CC in assays to identify modulators of their expression and activity

XX Sequence 81 AA;

Query Match 100.0%; Score 326; DB 4; Length 81;
Best Local Similarity 100.0%; Pred. No. 6,3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KRPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 57
DB 25 KRPAKAMSGRRTRLCCHRVSPNSNTNLKGHHVRLCKPCKLEPPRLMVVPGALPOV 81

RESULT 3

AAU12246
ID AAU12246 standard; protein; 81 AA.

XX AAU12246;

DT 24-OCT-2001 (first entry)

DE Human PRO3446 polypeptide sequence.

XX Human secretory and transmembrane; PRO; mammalian; cancer; lung; breast;
XX prostate; cervical; tumour necrosis factor-alpha; TNF-alpha; cartilage;
XX ear; proliferation; glucose; free fatty acid; skeletal muscle; adipocyte;
XX A-peptide; factor VIIA; gene therapy.

OS Homo sapiens.

XX MO200140466-A2.

XX 07-JUN-2001.

XX 01-DEC-2000; 2000MO-US032678.

XX 01-DEC-1999; 99MO-US028301.

XX 02-DEC-1999; 99MO-US028634.

XX 02-DEC-1999; 99MO-US028551.

XX 02-DEC-1999; 99MO-US028564.

XX 09-DEC-1999; 99MO-US028565.

XX 16-DEC-1999; 99MO-US030095.

XX 20-DEC-1999; 99MO-US030911.

XX 30-DEC-1999; 99MO-US030999.

XX 30-DEC-1999; 99MO-US031243.

XX 05-JAN-2000; 2000MO-US000219.

XX 06-JAN-2000; 2000MO-US000277.

XX 06-JAN-2000; 2000MO-US000376.

XX 11-FEB-2000; 2000MO-US003565.

XX 18-FEB-2000; 2000MO-US004341.

XX 22-FEB-2000; 2000MO-US004414.

XX 24-FEB-2000; 2000MO-US004914.

XX 24-FEB-2000; 2000MO-US005004.

XX 02-MAR-2000; 2000MO-US005841.

XX 03-MAR-2000; 2000US-0187202P.

XX 10-MAR-2000; 2000MO-US006319.

XX 15-MAR-2000; 2000MO-US006884.

XX 20-MAR-2000; 2000MO-US007377.

XX 21-MAR-2000; 2000MO-US007532.

XX 30-MAR-2000; 2000MO-US008439.

XX 17-MAY-2000; 2000MO-US013705.

XX 22-MAY-2000; 2000MO-US014042.

XX 30-MAY-2000; 2000MO-US014941.

XX 02-JUN-2000; 2000MO-US015264.

XX 05-JUN-2000; 2000US-0209832P.

XX 28-JUL-2000; 2000MO-US020710.

PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
XX
XX (GENTH) GENENTECH INC.
XX
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
PI Garlitsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S,
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
XX WPI; 2001-408281/43.
DR N-PSDB; AAS21318.
XX
XX Isolated , secretory and transmembrane PRO polypeptide used to detect
PT other PRO polypeptides, link bioactive molecules to cells expressing PRO
PT polypeptides, and detect the presence of mammalian tumors e.g. lung,
PT breast, prostate, cervical.
XX
XX Claim 12; Fig 150; 813pp; English.
PS
XX AAU2172-AAU1246 represent novel human secretory and transmembrane PRO
CC polypeptides. The PRO polypeptides are useful to detect other PRO
CC polypeptides, to link bioactive molecules to cells expressing PRO
CC polypeptides, to modulate biological activities of cells expressing PRO
CC polypeptides, and to detect the presence of mammalian lung, colon,
CC breast, prostate, rectal, cervical or liver tumours by comparing PRO
CC polypeptide expression in a cell sample to that in a control sample. Some
CC of the 275 sequences are also useful to stimulate the release of tumour
CC necrosis factor-alpha (TNF-alpha) from human blood, the proliferation or
CC differentiation of chondrocytes, the proliferation or gene expression in
CC pericyte cells, the release of proteoglycans from cartilage, the
CC proliferation of inner ear utricular supporting cells or of T-
CC lymphocytes, the release of a cytokine from peripheral blood monocytes
CC (PBMCs) , or the proliferation of endothelial cells. Some of the PRO
CC polypeptides may modulate glucose or free fatty acid uptake by skeletal
CC muscle cells or by adipocytes, or inhibit binding of A-peptide to factor
CC vira. The PRO polypeptides can be used in assays to identify molecules
CC involved in binding interactions. The polynucleotides encoding PRO
CC polypeptides can be used to generate probes, antisense RNA/DNA,
CC transgenic or knock out animals and can be used in gene therapy
XX
SQ Sequence 81 AA;
XX
XX Query Match 100.0%; Score 326; DB 4; Length 81;
Best Local Similarity 100.0%; Pred. No. 6.3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 KRBPAXWSGRRRLCCHRVSPNSTLKGHHVRLCKPCKLEPPRLWVPGALPOV 57
DB 25 KRBPAXWSGRRRLCCHRVSPNSTLKGHHVRLCKPCKLEPPRLWVPGALPOV 81
XX
XX RESULT 4
ID AAG65411 standard; protein; 81 AA.
XX
XX AAG65411;
AC
XX
XX 27-AUG-2002 (first entry)
DT XX
XX
XX Human albumin fusion protein #2086.
DE
XX Albumin fusion protein; therapeutic protein X; human albumin; HA;
KM human serum albumin; HSA; cancer; reproductive disorder;
KM digestive disorder; immune disorder; endocrine disorder;
KM haemopoietic disorder; neural disorder; connective disorder;
KM cytostatic; antifertility; antiinflammatory; antitumor;
KM immunomodulator; anti-HIV; antidiabetic; haemostatic; nootropic;
KM neuroprotective; antiparkinsonian; antimicrobial; neuroleptic;
XX osteopathic; anticholinergic.

OS Homo sapiens.
XX Synthetic.
XX
XX PN MO200177137-A1.
XX
XX PD 18-OCT-2001.
XX
XX PF 12-APR-2001; 2001WO-US011988.
XX
XX 12-APR-2000; 2000US-0229358P.
PR 25-APR-2000; 2000US-0199384P.
PR 21-DEC-2000; 2000US-0256931P.
XX
XX (HUMA-) HUMAN GENOME SCI INC.
XX
XX PI Rosen CA, Haseltine WA;
XX
XX WPI; 2002-010886/01.
DR
XX
XX New fusion protein for treating disease e.g. diabetes comprises an
PT albumin fused to a therapeutic protein.
PT
XX
XX Claim 1; Page 1979; 2102pp; English.
PS
XX The present invention relates to albumin fusion proteins comprising a
CC therapeutic protein X and human albumin (HA, also known as human serum
CC albumin, HSA). The proteins are useful for treating a disease or disorder
CC that may be modulated by therapeutic protein X. The albumin extends the
CC shelf-life of protein X, and may increase its biological in vitro/in vivo
CC activity. The protein is useful for treating and diagnosing disorders
CC such as cancer, reproductive disorders, digestive disorders (e.g. Crohn's
CC disease, ulcerative colitis), immune disorders (e.g. acquired
CC immunodeficiency syndrome, AIDS), endocrine disorders (e.g. diabetes),
CC hematopoietic disorders, neural disorders (e.g. Alzheimer's,
CC Parkinson's, Creutzfeldt-Jacob disease, encephalomyelitis, meningitis,
CC schizophranal), and connective disorders (e.g. osteoporosis, arthritis).
CC AAG63326-AAG65518 represent albumin fusion proteins of the invention
XX
SQ Sequence 81 AA;
XX
XX Query Match 100.0%; Score 326; DB 5; Length 81;
Best Local Similarity 100.0%; Pred. No. 6.3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 KRBPAXWSGRRRLCCHRVSPNSTLKGHHVRLCKPCKLEPPRLWVPGALPOV 57
DB 25 KRBPAXWSGRRRLCCHRVSPNSTLKGHHVRLCKPCKLEPPRLWVPGALPOV 81
XX
XX RESULT 5
ID AAE16481 standard; protein; 81 AA.
XX
XX AAE16481;
AC
XX
XX 09-APR-2002 (first entry)
DT XX
XX
XX Human Secreted epithelial colon stromal-1 (Secs-1) protein.
DE
XX Secreted epithelial colon stromal-1; Secs-1; gene therapy; osteoporosis;
KM hematopoietic disorder; osteoporosis; osteogenesis imperfecta; cachexia;
KM Paget's disease; periodontal disease; hypercalcemia; glomerulonephritis;
KM diabetes; obesity; osteopathic; cytostatic; nephrotoxic; antidiabetic;
KM anorectic; immunomodulator; antipsoriatic; vulnerary; antifertility;
KM gynaecological; antitumor; antiinflammatory; cancer; cell therapy; human.
XX
XX Homo sapiens.
XX
XX Key
FH Peptide 1..24
FT /label= Signal_peptide
FT 25..81
FT Protein /label= Mature_human_Secs-1_protein

XX WO200198497-A1.
PN
XX
XX 27-DEC-2001.
PD
XX
XX 28-NOV-2000; 2000WO-US032479.
PF
XX 21-JUN-2000; 2000US-00599087.
PR
XX 28-NOV-2000; 2000US-00724000.
XX
XX (AMGE-) AMGEN INC.
PA
XX Polverino AJ, Iuethy R;
PI
XX WPI; 2002-122281/16.
DR
XX N-PSDB; AAD27025, AAD27026.
DR
XX Secreted epithelial colon stromal-1 polypeptides and nucleic acids,
PT useful for diagnosing, treating and preventing hematopoietic disorder,
PT osteoporosis, Paget's disease, cancer, diabetes.
XX
XX Claim 13; Fig 3; 134pp; English.
PS
XX The present invention relates to an isolated murine or human secreted
CC epithelial colon stromal-1 (Secs-1) polypeptide, its allelic or splice
CC variant, orthologue, fragment or mutant. Secs-1 gene is used in gene
CC therapy and cell therapy. Secs-1 is useful for identifying a compound
CC which binds to a Secs-1 polypeptide. Secs-1 is useful for treating,
CC preventing or ameliorating a disease condition such as haematopoietic
CC disorder, osteoporosis, osteopetrosis, osteogenesis imperfecta, Paget's
CC disease, periodontal disease, hypercalcaemia, acute glomerulonephritis,
CC chronic glomerulonephritis, cancer, diabetes, obesity or cachexia. Secs-1
CC is also useful for diagnosing a pathological condition which involves
CC determining the presence or amount of Secs-1 or polypeptide encoded by
CC Secs-1 DNA in a sample; and diagnosing a pathological condition, or
CC susceptibility to pathological condition based on the presence or amount
CC of expression of the polypeptide. The present sequence is human Secs-1
CC protein
XX
XX Sequence 81 AA;
SQ
Query Match 100.0%; Score 326; DB 5; Length 81;
Best Local Similarity 100.0%; Pred. No. 6.3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 KRPPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLWVPGALPGV 57
DB 25 KRPPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLWVPGALPGV 81
RESULT 6
ADG79531
ID ADG79531 standard; protein; 81 AA.
XX
XX ADG79531;
AC
XX
XX 11-MAR-2004 (first entry)
DT
XX
XX Human secreted protein of the invention SEQ ID NO:337.
DE
XX
XX ss; cytosolic; vasotropic; haemostatic; cardiovascular;
KM gastrointestinal; immunomodulator; inotropic; cerebroprotective;
KM neuroprotective; nephrotropic; antiinflammatory; antibacterial; virucide;
KM gynaecological; antidiabetic; gene therapy; vaccine; cancer;
KM blood disorder; immune disorder; infection; inflammatory disorder;
KM type II diabetes; gene; human; secreted protein.
XX
XX Homo sapiens.
OS
XX
XX WO20026638-A1.
PN
XX
XX 06-SEP-2002.
PD
XX

PF 21-FEB-2002; 2002WO-US005064.
XX
XX 23-FEB-2001; 2001US-0270658P.
XX
XX 12-JUL-2001; 2001US-0304444P.
XX
XX (HUMA-) HUMAN GENOME SCI INC.
PA
XX
XX Rosen CA, Komatsoulis GA, Birse CE, Choi GH, Olsen HS, Ni J;
PI Bell A;
PI
XX WPI; 2002-750418/81.
DR
XX N-PSDB; ADG79345.
DR
XX
XX New isolated polypeptide and encoding polynucleotide useful for
PT diagnosing, preventing, treating and/or ameliorating diseases such as
PT cancer, blood disorders, infections, inflammatory and immune disorders
PT and type II diabetes.
XX
XX Disclosure; SEQ ID NO 338; 936pp; English.
PS
XX
XX The invention relates to a novel isolated polypeptide. A protein of the
CC invention has cytosolic, vasotropic, haemostatic, cardiovascular,
CC gastrointestinal, immunomodulator, inotropic, cerebroprotective,
CC neuroprotective, nephrotropic, antiinflammatory, antibacterial, virucide,
CC gynaecological, and antidiabetic activity. A polynucleotide of the
CC invention may have a use in gene therapy, and as a vaccine. The methods
CC and compositions of the invention are useful for diagnosing, preventing,
CC treating and/or ameliorating diseases such as cancer (neural,
CC reproductive, gastrointestinal, endocrine, renal, CNS and respiratory
CC neoplasias), blood disorders, immune disorders, infections, inflammatory
CC disorders and type II diabetes. They can also be used in chromosome
CC identification, screening assays and molecular weight markers. The
CC present sequence is used in the exemplification of the invention.
XX
XX Sequence 81 AA;
SQ
Query Match 100.0%; Score 326; DB 5; Length 81;
Best Local Similarity 100.0%; Pred. No. 6.3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 KRPPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLWVPGALPGV 57
DB 25 KRPPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEPRLWVPGALPGV 81
RESULT 7
ABO17690
ID ABO17690 standard; protein; 81 AA.
XX
XX ABO17690;
AC
XX
XX 26-AUG-2003 (first entry)
DT
XX
XX Novel human secreted and transmembrane protein PRO3446.
DE
XX
XX Human; secreted and transmembrane protein; PRO; antiinflammatory;
KM antiatheriosclerotic; cardiant; anti-infectivity; anti-HIV; cytosolic;
KM antidiabetic; gene therapy; tumour necrosis factor (TNF)-alpha release;
KM TNF-alpha release; cell proliferation; cell differentiation;
KM gene expression modulator; proteoglycan release; cytokine release;
KM tumour; inflammatory disease; organ failure; atherosclerosis;
KM cardiac injury; infectivity; birth defect; premature aging; AIDS;
KM acquired immunodeficiency syndrome; cancer; diabetic complication;
KM chromosome mapping; gene mapping; pharmaceutical; diagnostic; biosensor;
KM bioreactor; tissue typing.
XX
XX Homo sapiens.
OS
XX
XX US2003032156-A1.
PN
XX
XX 13-FEB-2003.
PD
XX
XX 06-MAY-2002; 2002US-00140474.
PF


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XX 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 98WO-US000106.
PR 08-MAR-1999; 98WO-US005028.
PR 10-MAR-1999; 98WO-US005190.
PR 20-APR-1999; 98WO-US008615.
PR 14-MAY-1999; 98WO-US010733.
PR 02-JUN-1999; 98WO-US012252.
PR 01-SEP-1999; 98WO-US020111.
PR 08-SEP-1999; 98WO-US020594.
PR 13-SEP-1999; 98WO-US020944.
PR 15-SEP-1999; 98WO-US021090.
PR 15-SEP-1999; 98WO-US021547.
PR 05-OCT-1999; 98WO-US023089.
PR 29-NOV-1999; 98WO-US028214.
PR 30-NOV-1999; 98WO-US028313.
PR 30-NOV-1999; 98WO-US028409.
PR 01-DEC-1999; 98WO-US028301.
PR 02-DEC-1999; 98WO-US028634.
PR 02-DEC-1999; 98WO-US028551.
PR 02-DEC-1999; 98WO-US028564.
PR 16-DEC-1999; 98WO-US028565.
PR 16-DEC-1999; 98WO-US030095.
PR 20-DEC-1999; 98WO-US030911.
PR 20-DEC-1999; 98WO-US030999.
PR 22-DEC-1999; 98WO-US030720.
PR 30-DEC-1999; 98WO-US031243.
PR 30-DEC-1999; 98WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US037259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.

PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-0086028.
PR 25-MAY-2001; 2001US-0086034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017600.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00874536.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.

(GETH ) GENENTECH INC.
XX PA
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AJ, Sherwood S,
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2003-341980/32.
DR N-PSDB; ACD23927.
DR
XX
PT New secreted and transmembrane PRO nucleic acids, for treating
PT inflammation, organ failure, atherosclerosis, cardiac injury,
PT infertility, birth defects, premature aging, acquired immunodeficiency
PT syndrome (AIDS), or cancer.
XX
PS Claim 12; Fig 150; 660pp; English.
XX
CC The invention describes an isolated nucleic acid (I) comprising, or which
CC has 80 % sequence identity to, or the full-length coding sequence of, one
CC of 275 nucleotide sequences, and which encodes a corresponding
CC polypeptide selected from 275 amino acid sequences, where all sequences
CC are given in the specification. The polypeptide encoded by (I) is used to
CC detect PRO polypeptides, link a bioactive molecule to a cell expressing a
CC PRO polypeptide, modulate a biological activity of a cell, stimulate the
CC release of tumour necrosis factor (TNF)-alpha from human blood, modulate
CC the uptake of glucose or free fatty acid by cells, stimulate or inhibit
CC the proliferation or differentiation of cells or gene expression,
CC stimulate the release of proteoglycans, stimulate the release of cytokine
CC from peripheral blood mononuclear cells, inhibit the binding of A-peptide
CC to factor VITA, or detect the presence of tumour in a mammal. The nucleic
CC acid and polypeptide encoded by it, are useful for treating inflammatory
CC diseases, organ failure, atherosclerosis, cardiac injury, infertility,
CC birth defects, premature aging, acquired immunodeficiency syndrome
CC (AIDS), cancer, or diabetic complications. The nucleic acid is useful as
CC hybridisation probes, in chromosome and gene mapping, and in generating
CC antisense RNA or DNA. The polypeptides are useful as pharmaceuticals,
CC diagnostics, biosensors or bioreactors. Both are useful in tissue typing.
CC This is the amino acid sequence of a novel human secreted and
CC transmembrane PRO polypeptide
XX
XX Sequence 81 AA;
SQ
Query Match 100.0%; Score 326; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 6.3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

OY 1 KRBPAAKMSGRRTLLCCHRVSPNSTNLKQHNVLCKPCXLEPEPRLMVVPGALPOV 57
Db 25 KRBPAAKMSGRRTLLCCHRVSPNSTNLKQHNVLCKPCXLEPEPRLMVVPGALPOV 81
RESULT 8
ABU80944
ID ABU80944 standard; protein; 81 AA.
XX
AC ABU80944;
XX
DT 23-JUN-2003 (first entry)
XX
DE Human PRO polypeptide #75.
XX
KW Human; PRO polypeptide; secreted and transmembrane protein;
KW anti-PRO antibody; diagnostic assay; gene expression; diabetes;
KW bone disorder; cartilage disorder; rheumatoid arthritis; obesity;
KW sports injury; osteoarthritis; hyper-insulinaemia; hypo-insulinaemia;
KW hearing loss; coagulation disorder; stroke; heart attack; cardiac;
KW antidiabetic; anorectic; vulnery; antiarthritic; osteopathic;
KW antirheumatic; auditory; cerebroprotective; angiogenic.
XX
OS Homo sapiens.
XX
PN US200304311-A1.
XX
PD 02-JAN-2003.
XX
PF 19-DEC-2001; 2001US-00028072.
XX
PR 18-JUN-1997; 97US-0049911P.
PR 26-AUG-1997; 97US-0056974P.
PR 17-SEP-1997; 97US-0059113P.
PR 17-SEP-1997; 97US-0059115P.
PR 17-SEP-1997; 97US-0059117P.
PR 17-SEP-1997; 97US-0059122P.
PR 17-SEP-1997; 97US-0059184P.
PR 18-SEP-1997; 97US-0059263P.
PR 19-SEP-1997; 97US-0059352P.
PR 19-SEP-1997; 97US-0059588P.
PR 24-SEP-1997; 97US-0059836P.
PR 17-OCT-1997; 97US-0062250P.
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PR 24-OCT-1997; 97US-0062814P.
PR 24-OCT-1997; 97US-0062816P.
PR 24-OCT-1997; 97US-0063045P.
PR 24-OCT-1997; 97US-0063082P.
PR 24-OCT-1997; 97US-0063127P.
PR 27-OCT-1997; 97US-0063337P.
PR 27-OCT-1997; 97US-0063329P.
PR 28-OCT-1997; 97US-0063350P.
PR 28-OCT-1997; 97US-0063561P.
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PR 29-OCT-1997; 97US-0063735P.
PR 29-OCT-1997; 97US-0063738P.
PR 03-NOV-1997; 97US-0064248P.
PR 07-NOV-1997; 97US-0064809P.
PR 12-NOV-1997; 97US-0065186P.
PR 17-NOV-1997; 97US-0065846P.
PR 21-NOV-1997; 97US-0066364P.
PR 24-NOV-1997; 97US-0066453P.
PR 24-NOV-1997; 97US-0066511P.
PR 24-NOV-1997; 97US-006670P.
PR 11-DEC-1997; 97US-0069212P.
PR 11-DEC-1997; 97US-0069278P.
PR 11-DEC-1997; 97US-0069334P.
PR 16-DEC-1997; 97US-0069694P.
PR 23-JAN-1998; 98US-0072320P.
PR 04-FEB-1998; 98US-0073612P.

PR 09-FEB-1998; 98US-0074086P.
PR 09-FEB-1998; 98US-0074092P.
PR 12-MAR-1998; 98US-0077791P.
PR 20-MAR-1998; 98US-0078910P.
PR 25-MAR-1998; 98US-0079294P.
PR 27-MAR-1998; 98US-0079633P.
PR 27-MAR-1998; 98US-0080165P.
PR 31-MAR-1998; 98US-0080728P.
PR 12-JUN-1998; 98US-0081456P.
PR 14-JUL-1998; 98US-00814552.
PR 28-AUG-1998; 98US-00817888.
PR 10-SEP-1998; 98US-00818824.
PR 14-SEP-1998; 98US-00819093.
PR 14-SEP-1998; 98US-00819094.
PR 14-SEP-1998; 98US-00819330.
PR 16-SEP-1998; 98US-00819337.
PR 17-SEP-1998; 98US-00819437.
PR 07-OCT-1998; 98US-00821141.
PR 29-OCT-1998; 98US-00822991.
PR 29-OCT-1998; 98US-00822992.
PR 20-NOV-1998; 98US-00824855.
PR 01-DEC-1998; 98US-00825108.
PR 05-JAN-1999; 99US-00800106.
PR 08-MAR-1999; 99US-00805028.
PR 10-MAR-1999; 99US-00805190.
PR 20-APR-1999; 99US-00806615.
PR 14-MAY-1999; 99US-00810733.
PR 02-JUN-1999; 99US-00812252.
PR 01-SEP-1999; 99US-00820111.
PR 08-SEP-1999; 99US-00820594.
PR 13-SEP-1999; 99US-00820944.
PR 15-SEP-1999; 99US-00821090.
PR 15-SEP-1999; 99US-00821547.
PR 05-OCT-1999; 99US-00823089.
PR 29-NOV-1999; 99US-00828214.
PR 30-NOV-1999; 99US-00828313.
PR 01-DEC-1999; 99US-00828301.
PR 01-DEC-1999; 99US-00828314.
PR 02-DEC-1999; 99US-00828551.
PR 02-DEC-1999; 99US-00828564.
PR 02-DEC-1999; 99US-00828565.
PR 16-DEC-1999; 99US-00830095.
PR 20-DEC-1999; 99US-00830911.
PR 20-DEC-1999; 99US-00830999.
PR 30-DEC-1999; 99US-00831243.
PR 30-DEC-1999; 99US-00831274.
PR 05-JAN-2000; 2000US-00000219.
PR 06-JAN-2000; 2000US-00000277.
PR 11-FEB-2000; 2000US-00003376.
PR 11-FEB-2000; 2000US-00003565.
PR 18-FEB-2000; 2000US-00004341.
PR 18-FEB-2000; 2000US-00004342.
PR 22-FEB-2000; 2000US-00004414.
PR 24-FEB-2000; 2000US-00004914.
PR 24-FEB-2000; 2000US-00005004.
PR 01-MAR-2000; 2000US-00005601.
PR 02-MAR-2000; 2000US-00005746.
XX
XX (GETH) GENENTECH INC.
XX
XX Baker KP, Beresini M, DeForge L, Deanoyers L, Filvaroff E, Gao W;
PI Gritlsen WE, Goddard A, Godowski RJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
XX WPI; 2003-352836/33.
XX
XX N-PSDB; ACA67068.
XX
XX New isolated PRO polypeptide useful for treating diabetes, rheumatoid
PT arthritis, sports injuries, obesity, hearing loss in mammals, stroke, or
PT heart attack.
XX
XX Claim 12; Fig 150; 643pp; English.

XX CC The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides and polynucleotides are useful for preparing a medicament
CC useful in the treatment of diabetes, bone and/or cartilage disorders
CC (e.g. rheumatoid arthritis, sports injuries, osteoarthritis), obesity,
CC hyper- or hypo-insulinemia, hearing loss, and coagulation disorders
CC (e.g. stroke, heart attack). Anti-PRO antibodies are useful in diagnostic
CC assays for PRO, by detecting its expression in specific cells, tissues or
CC serum, and for affinity purification of PRO from recombinant cell culture
CC or natural sources. ABU80870-ABU8114 represent the human PRO
CC polypeptides of the invention. Note: The sequence data for this patent
CC was obtained in electronic format directly from the USPTO web site at
CC seqdata.uspto.gov/patentEntry.html
XX SQ Sequence 81 AA;

Query Match 100.0%; Score 326; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 6, 3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRBPAAWGRGRRRLCCHRVSPNSTLKGHHVRLCKPCKLEPEPRLMVVGALPGV 57
Db 25 KRBPAAWGRGRRRLCCHRVSPNSTLKGHHVRLCKPCKLEPEPRLMVVGALPGV 81

RESULT 9
ABU66644
ID ABU66644 standard; protein; 81 AA.
XX AC ABU66644;
XX DT 23-MAY-2003 (first entry)
XX DE Human PRO polypeptide #75.
XX DE Human PRO polypeptide #75.
XX DE Human; PRO polypeptide; secreted and transmembrane protein;
XX KM tumour necrosis factor-alpha; TNF-alpha; blood; proliferation;
XX KW differentiation; Chondrocyte; tumour; genetic disorder; cytostatic.
XX OS Homo sapiens.
XX PN US2003036180-A1.
XX PD 20-FEB-2003.
XX PF 09-MAY-2002; 2002US-00143114.
XX PR 31-MAR-1997; 97MO-US005230.
XX PR 12-JUN-1998; 98MO-US012456.
XX PR 14-JUL-1998; 98MO-US014552.
XX PR 28-AUG-1998; 98MO-US017888.
XX PR 10-SEP-1998; 98MO-US018824.
XX PR 14-SEP-1998; 98MO-US019093.
XX PR 14-SEP-1998; 98MO-US019094.
XX PR 14-SEP-1998; 98MO-US019177.
XX PR 16-SEP-1998; 98MO-US019330.
XX PR 17-SEP-1998; 98MO-US019437.
XX PR 07-OCT-1998; 98MO-US021441.
XX PR 29-OCT-1998; 98MO-US022891.
XX PR 23-OCT-1998; 98MO-US022892.
XX PR 20-NOV-1998; 98MO-US024855.
XX PR 01-DEC-1998; 98MO-US025108.
XX PR 05-JAN-1999; 99MO-US000106.
XX PR 08-MAR-1999; 99MO-US005028.
XX PR 10-MAR-1999; 99MO-US005190.
XX PR 20-APR-1999; 99MO-US008615.
XX PR 14-MAY-1999; 99MO-US010733.
XX PR 02-JUN-1999; 99MO-US012252.
XX PR 01-SEP-1999; 99MO-US020111.
XX PR 08-SEP-1999; 99MO-US020594.
XX PR 13-SEP-1999; 99MO-US020944.

PR 15-SEP-1999; 99MO-US021090.
PR 15-SEP-1999; 99MO-US021547.
PR 05-OCT-1999; 99MO-US023089.
PR 29-NOV-1999; 99MO-US028214.
PR 30-NOV-1999; 99MO-US028313.
PR 30-NOV-1999; 99MO-US028409.
PR 01-DEC-1999; 99MO-US028301.
PR 01-DEC-1999; 99MO-US028634.
PR 02-DEC-1999; 99MO-US028551.
PR 02-DEC-1999; 99MO-US028564.
PR 02-DEC-1999; 99MO-US028565.
PR 16-DEC-1999; 99MO-US030095.
PR 20-DEC-1999; 99MO-US030911.
PR 20-DEC-1999; 99MO-US030999.
PR 22-DEC-1999; 99MO-US030720.
PR 30-DEC-1999; 99MO-US031243.
PR 30-DEC-1999; 99MO-US031274.
PR 05-JAN-2000; 2000MO-US000219.
PR 06-JAN-2000; 2000MO-US000277.
PR 06-JAN-2000; 2000MO-US000376.
PR 11-FEB-2000; 2000MO-US003565.
PR 18-FEB-2000; 2000MO-US004341.
PR 18-FEB-2000; 2000MO-US004342.
PR 22-FEB-2000; 2000MO-US004414.
PR 24-FEB-2000; 2000MO-US004914.
PR 24-FEB-2000; 2000MO-US005004.
PR 01-MAR-2000; 2000MO-US005601.
PR 02-MAR-2000; 2000MO-US005746.
PR 10-MAR-2000; 2000MO-US005841.
PR 15-MAR-2000; 2000MO-US006319.
PR 20-MAR-2000; 2000MO-US006884.
PR 21-MAR-2000; 2000MO-US007377.
PR 30-MAR-2000; 2000MO-US013705.
PR 22-MAY-2000; 2000MO-US014042.
PR 30-MAY-2000; 2000MO-US014941.
PR 02-JUN-2000; 2000MO-US015264.
PR 28-JUL-2000; 2000MO-US020710.
PR 11-AUG-2000; 2000MO-US022031.
PR 23-AUG-2000; 2000MO-US023522.
PR 24-AUG-2000; 2000MO-US023328.
PR 08-NOV-2000; 2000MO-US030952.
PR 10-NOV-2000; 2000MO-US030873.
PR 01-DEC-2000; 2000MO-US032678.
PR 20-DEC-2000; 2000MO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001MO-US006520.
PR 01-MAR-2001; 2001MO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 18-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001MO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001MO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001MO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001MO-US020166.
PR 29-JUN-2001; 2001MO-US021016.
PR 09-JUL-2001; 2001MO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.

PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
PA (GERTH) GENENTECH INC.
XX
PI Baker KP, Beresini M, DeForge L, Desnoyers L, Flivaroff E, Gao W;
PI Gerritsen ME, Godard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI, 2003-332040/31.
DR N-PSDB; ACA03677.
XX
PT New secreted and transmembrane PRO nucleic acids, useful for gene
PT therapy, in chromosome and gene mapping, as chromosome markers, in tissue
PT typing, and in chromosome identification.
XX
PS Claim 12; Fig 150; 660bp; English.
XX
CC The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides are useful for detecting other PRO polypeptides, for linking
CC bioactive molecules to cells expressing PRO polypeptides, for modulating
CC biological activities of cells expressing PRO polypeptides, and for for
CC identifying agonists or antagonists. The PRO polypeptides are useful for
CC for stimulating the release of tumor necrosis factor (TNF)-alpha from
CC human blood, for stimulating the proliferation or differentiation of
CC chondrocytes, and detecting the presence of tumours. The polynucleotide
CC sequences encoding PRO polypeptides are useful as hybridisation probes,
CC in chromosome and gene mapping, in the generation of antisense RNA and
CC DNA, in the preparation of PRO polypeptides, for generating transgenic
CC animals or knockout animals, for the genetic analysis of individuals with
CC genetic disorders, and in gene therapy. ABU65570-ABU66844 represent the
CC human PRO polypeptides of the invention. Note: The sequence data for this
CC patent was obtained in electronic format directly from the USPTO web site
CC at seqdata.uspto.gov/psipdsidentry.html
XX
SQ Sequence 81 AA;
XX
Query Match 100.0%; Score 326; DB 6; Length 81;
Best Local Similarity 100.0%; Pred.No. 6,3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
QY 1 KRPAKAWGGRTRLCCHRPSPNSTNLKGHHVRLCKPCKLEPEPLMVPALPOV 57
Db 25 KRPAKAWGGRTRLCCHRPSPNSTNLKGHHVRLCKPCKLEPEPLMVPALPOV 81
XX
RESULT 10
ABUS9725
ID ABUS9725 standard; protein; 81 AA.
XX
AC ABUS9725;
XX
DT 13-MAY-2003 (First entry)
XX
DE Novel secreted and transmembrane protein PRO3446.
XX
KW Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW cardiac insufficiency disorder; cancer; tumour; immune response;
KW adrenal cortical capillary endothelial growth; c-fos induction;
KW vascular endothelial growth factor inhibition; VEGF inhibition;
KW endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW retinal neurons cell survival; rod photoreceptor cell survival;
KW retinal disorder; retinitis pigmentosum; kidney disorder;
KW mammalian kidney mesangial cell proliferation; Berger disease;
KW dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;
KW chondrocyte redifferentiation; sports injury; arthritis.
XX
OS Homo sapiens.
XX
XX US2003017563-A1.
XX
XX

PD 23-JAN-2003.
XX
XX 07-MAY-2002; 2002US-00140808.
XX
XX 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028651.
PR 02-DEC-1999; 99WO-US028654.
PR 02-DEC-1999; 99WO-US028655.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.

PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006566.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
XX (GETH) GENENTECH INC.
XX
XX Baker KP, Beresini M, DeForge L, Deonoyers L, Filvaroff E, Geo W,
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S,
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
XX WPI; 2003-148238/14.
DR N-PSDB; ABX69215.
XX
XX Two hundred and seventy five nucleic acids encoding PRO polypeptides,
PT useful for treating pericyte-associated tumors, diabetes and various bone
XX and/or cartilage disorders, e.g. arthritis.
XX
XX Claim 12; Fig 150; 659pp; English.
XX
XX The invention describes an isolated human PRO polypeptide. The PRO
XX polypeptides are useful in detecting PRO polypeptides in a sample, in
XX linking a bioactive molecule to a cell expressing a PRO polypeptide, and
XX in modulating at least one biological activity of a cell expressing a PRO
XX polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
XX useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186
XX stimulate adrenal cortical capillary endothelial growth, and PRO536,
XX PRO943, PRO828, PRO1068 or PRO535, PRO826, PRO819, PRO1126,
XX PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus
XX useful for treating conditions or disorders where angiogenesis would be
XX beneficial, e.g. wound healing and antagonist of this polypeptide are
XX useful for treating cancerous tumors. PRO812 inhibits vascular
XX endothelial growth factor (VEGF) stimulated proliferation of endothelial
XX cells and is thus useful for inhibiting endothelial cell growth in
XX mammals which would be beneficial in inhibiting tumor growth. PRO826,
XX PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
XX stimulated T-lymphocytes and are therapeutically useful for enhancing
XX immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of
XX retinal neurons cells (PRO1132 is also enhances survival/proliferation of
XX rod photoreceptor cells) and therefore are useful for treating retinal
XX disorders of injuries, e.g. retinitis pigmentosa, AMD. PRO819, PRO813
XX and PRO1066 induce proliferation of mammalian kidney mesangial cells,
XX and therefore are useful for treating kidney disorders associated with
XX decreased mesangial cell function such as Berger disease or other
XX nephropathies associated with dermatitis, herpeticiformis or Crohn's
XX disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the
XX proliferation and/or redifferentiation of chondrocytes in culture and are

CC thus useful for treating sports injuries, and arthritis. This is the
CC amino acid sequence of a novel human PRO protein
XX
XX
SQ Sequence 81 AA;
Query Match 100.0%; Score 326; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 6, 3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 KRPAKAMSGRRRLCCHRVPSNSTYLKGHVRLCPKCLEPPEPLMLVPGALPQV 57
Db 25 KRPAKAMSGRRRLCCHRVPSNSTYLKGHVRLCPKCLEPPEPLMLVPGALPQV 81
RESULT 11
AB024915
ID AB024915 standard; protein; 81 AA.
XX
XX AC AB024915;
XX
XX DT 05-SEP-2003 (first entry)
XX
XX DE Human secreted/transmembrane protein (PRO) #75.
XX
XX KW Human; PRO; secreted protein; transmembrane protein; tumour; cytostatic;
KW gene therapy; tumour necrosis factor-alpha; TNF-alpha; blood;
KW proteoglycan; cartilage; cytokine; peripheral blood mononuclear cell;
KW PMK; glucose uptake; FFA; skeletal muscle cell; adipocyte cell;
KW chondrocyte cell proliferation; chondrocyte cell differentiation;
KW pericyte cell; inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell; A-peptide; factor VIIA.
XX
XX OS Homo sapiens.
XX
XX PN US2003036179-A1.
XX
XX PD 20-FEB-2003.
XX
XX PF 10-MAY-2002; 2002US-00142431.
XX
XX PR 31-MAR-1997; 97WO-US005230.
XX PR 12-JUN-1998; 98WO-US012456.
XX PR 14-JUL-1998; 98WO-US014552.
XX PR 28-AUG-1998; 98WO-US017888.
XX PR 10-SEP-1998; 98WO-US018824.
XX PR 14-SEP-1998; 98WO-US019093.
XX PR 14-SEP-1998; 98WO-US019094.
XX PR 14-SEP-1998; 98WO-US019177.
XX PR 16-SEP-1998; 98WO-US019330.
XX PR 17-SEP-1998; 98WO-US019437.
XX PR 07-OCT-1998; 98WO-US021141.
XX PR 29-OCT-1998; 98WO-US022991.
XX PR 29-OCT-1998; 98WO-US022992.
XX PR 20-NOV-1998; 98WO-US024855.
XX PR 01-DEC-1998; 98WO-US025108.
XX PR 05-JAN-1999; 99WO-US000106.
XX PR 08-MAR-1999; 99WO-US005028.
XX PR 10-MAR-1999; 99WO-US005190.
XX PR 20-APR-1999; 99WO-US008615.
XX PR 14-MAY-1999; 99WO-US010733.
XX PR 02-JUN-1999; 99WO-US012252.
XX PR 01-SEP-1999; 99WO-US020111.
XX PR 08-SEP-1999; 99WO-US020594.
XX PR 13-SEP-1999; 99WO-US020944.
XX PR 15-SEP-1999; 99WO-US021547.
XX PR 05-OCT-1999; 99WO-US023089.
XX PR 29-NOV-1999; 99WO-US028214.
XX PR 30-NOV-1999; 99WO-US028313.
XX PR 30-NOV-1999; 99WO-US028409.
XX PR 01-DEC-1999; 99WO-US028301.
XX PR 01-DEC-1999; 99WO-US028634.
XX PR 02-DEC-1999; 99WO-US028551.

KM acquired immunodeficiency syndrome; cancer; diabetic complication;
 KM bioreactor; tumour.
 XX
 OS Homo sapiens.
 PN US2003032155-A1.
 XX
 PD 13-FEB-2003.
 XX
 PF 03-MAY-2002; 2002US-00137865.
 XX
 31-MAR-1997; 97WO-US005230.
 PR 12-JUN-1998; 98WO-US012456.
 PR 14-JUL-1998; 98WO-US014552.
 PR 28-AUG-1998; 98WO-US017888.
 PR 10-SEP-1998; 98WO-US018824.
 PR 14-SEP-1998; 98WO-US019093.
 PR 14-SEP-1998; 98WO-US019177.
 PR 16-SEP-1998; 98WO-US019330.
 PR 17-SEP-1998; 98WO-US019437.
 PR 07-OCT-1998; 98WO-US021141.
 PR 29-OCT-1998; 98WO-US022991.
 PR 29-OCT-1998; 98WO-US022992.
 PR 20-NOV-1998; 98WO-US024855.
 PR 01-DEC-1998; 98WO-US025108.
 PR 05-JAN-1999; 99WO-US000106.
 PR 08-MAR-1999; 99WO-US005028.
 PR 10-MAR-1999; 99WO-US005190.
 PR 20-APR-1999; 99WO-US008615.
 PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US012252.
 PR 01-SEP-1999; 99WO-US020111.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020594.
 PR 15-SEP-1999; 99WO-US021547.
 PR 05-OCT-1999; 99WO-US023089.
 PR 29-NOV-1999; 99WO-US028214.
 PR 30-NOV-1999; 99WO-US028313.
 PR 30-NOV-1999; 99WO-US028409.
 PR 01-DEC-1999; 99WO-US028301.
 PR 01-DEC-1999; 99WO-US028634.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028564.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
 PR 20-DEC-1999; 99WO-US030911.
 PR 20-DEC-1999; 99WO-US030999.
 PR 22-DEC-1999; 99WO-US030720.
 PR 30-DEC-1999; 99WO-US031143.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 18-FEB-2000; 2000WO-US004342.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US004914.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005746.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 10-MAR-2000; 2000WO-US006319.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00806849.
 PR 22-MAR-2001; 2001US-00816744.
 PR 03-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 PA (GENTH) GENENTECH INC.
 XX
 PI Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerltsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI; 2003-331925/31.
 DR N-PSDB; ACA04098.
 XX
 PT New secreted and transmembrane nucleic acids and polypeptides, designated
 PT as PRO, useful for treating inflammation, organ failure, atherosclerosis,
 PT cardiac injury, infertility, birth defects, premature aging, AIDS, or
 PT cancer.
 XX
 PS Claim 12; Fig 150; 659pp; English.
 XX
 CC The invention relates to an isolated nucleic acid comprising, or which is
 CC at least 80% identical to, or the full-length coding sequence of, any of
 CC the 275 nucleotide sequences, encoding the corresponding PRO polypeptide
 CC (one of 275 secreted or transmembrane proteins). The nucleic acid further
 CC comprises the full-length coding sequence of the DNA deposited under
 CC American Type Culture Collection (ATCC) accession number in a list given
 CC in the specification. Also included are vectors and host cells for
 CC producing PRO proteins, PRO fusion proteins, anti-PRO antibodies, PRO
 CC extracellular domains and mature sequences, methods of detecting PRO
 CC proteins, methods for stimulating the release of TNF-alpha (tumour
 CC necrosis factor alpha) from human blood, (and the proliferation of
 CC differentiation of chondrocyte cells, the proliferation of, or gene
 CC expression in pericyte cells, the release of proteoglycans from
 CC cartilage, proliferation of inner ear utricular supporting cells, the
 CC proliferation of T-lymphocyte cells, the release of a cytokine from
 CC peripheral blood mononuclear cells (PBMC), or the proliferation of
 CC endothelial cells), a method for modulating the uptake of glucose or free
 CC fatty acid (FFA) by skeletal muscle cells, a method for inhibiting the
 CC binding of A-peptide to factor VIIA, or the differentiation of adipocyte

CC cells, a method for detecting the presence of a tumour in a mammal and an
CC oligonucleotide probe derived from any of the nucleotide sequences cited
CC above. The nucleic acids and polypeptides are useful for treating
CC inflammatory diseases, organ failure, atherosclerosis, cardiac injury,
CC infertility, birth defects, premature aging, AIDS (acquired
CC immunodeficiency syndrome), cancer, or diabetic complications. The
CC nucleic acids are useful as hybridisation probes, in chromosome and gene
CC mapping, and in generating antisense RNA or DNA. The polypeptides are
CC useful as pharmaceuticals, diagnostics, biosensors or bioreactors. Both
CC are useful in tissue typing. The present sequence represents a PRO
CC protein of the invention

SQ Sequence 81 AA;

Query Match 100.0%; Score 326; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 6.3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPGV 57
Db 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPGV 81

RESULT 13
ADAl1060
ID ADAl1060 standard; protein; 81 AA.

AC ADAl1060;

DT 06-NOV-2003 (first entry)

DE Human cDNA differentially expressed in colon cancer #126 product.

KM differential expression; colon cancer; cancer; human.

OS Homo sapiens.

PN US2002160382-A1.

PD 31-OCT-2002.

PF 11-OCT-2001; 2001US-00981353.

PR 11-OCT-2000; 2000US-0239841P.

PA (LASEK/) LASEK A W.

PA (JONE/) JONES D A.

PI Lasek AW, Jones DA;

DR WPI; 2003-265756/26.

DR N-PSDB; ADAl1059.

PT New combination comprising cDNAs that are differentially expressed in

PT colon disorder, useful for diagnosing, treating, staging or monitoring

PT treatment for colon cancers.

PS Claim 14; SEQ ID NO 178; 231pp; English.

CC The invention relates to a combination comprising cDNAs that are
CC differentially expressed in colon disorder. The methods and compositions
CC of the present invention are useful for diagnosing, treating, staging or
CC monitoring treatment for colon cancer. They are also useful in high
CC throughput methods for using cDNAs to detect differential expression of
CC nucleic acids in a sample, screening molecules or compounds to identify a
CC ligand which specifically binds a cDNA and using a protein to screen
CC molecules or compounds to identify at least one ligand which specifically
CC binds the protein. The present sequence represents the amino acid
CC sequence of a human cDNA differentially expressed in colon cancer
CC protein.

SQ Sequence 81 AA;

Query Match 100.0%; Score 326; DB 6; Length 81;
Best Local Similarity 100.0%; Pred. No. 6.3e-33;
Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPGV 57
Db 25 KRPAKAMSGRRTRLCCHRVSPNSTNLKGHHVRLCKPCKLEBPRLWVPGALPGV 81

RESULT 14

ID ADA45669

ID ADA45669 standard; protein; 81 AA.

AC ADA45669;

DT 20-NOV-2003 (first entry)

DE Novel human secreted and transmembrane protein PRO3446.

KM Human; secreted and transmembrane protein; PRO;
KM Tumour necrosis factor alpha release; TNF-alpha release;
KM glucose uptake modulator; PFA uptake modulator;
KM cell proliferation stimulator; cell differentiation stimulator;
KM cell differentiation inhibitor; cytokine release stimulator; tumour;
KM lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;
KM cervical tumour; liver tumour; chromosome mapping; gene mapping;
KM gene therapy; chromosome identification; chromosome marker.

OS Homo sapiens.

PN US2003022328-A1.

PD 30-JAN-2003.

PF 16-APR-2002; 2002US-00123904.

PR 31-MAR-1997; 97WO-US005230.

PR 12-JUN-1998; 98WO-US012456.

PR 14-JUL-1998; 98WO-US014552.

PR 28-AUG-1998; 98WO-US017888.

PR 10-SEP-1998; 98WO-US018824.

PR 14-SEP-1998; 98WO-US019093.

PR 14-SEP-1998; 98WO-US019094.

PR 16-SEP-1998; 98WO-US019330.

PR 17-SEP-1998; 98WO-US019437.

PR 07-OCT-1998; 98WO-US021141.

PR 29-OCT-1998; 98WO-US022991.

PR 20-NOV-1998; 98WO-US024855.

PR 01-DEC-1998; 98WO-US025108.

PR 05-JAN-1999; 99WO-US000106.

PR 08-MAR-1999; 99WO-US005028.

PR 10-MAR-1999; 99WO-US005190.

PR 20-APR-1999; 99WO-US008615.

PR 14-MAY-1999; 99WO-US010733.

PR 02-JUN-1999; 99WO-US012252.

PR 01-SEP-1999; 99WO-US020111.

PR 08-SEP-1999; 99WO-US020594.

PR 13-SEP-1999; 99WO-US020944.

PR 15-SEP-1999; 99WO-US021090.

PR 05-SEP-1999; 99WO-US021547.

PR 29-NOV-1999; 99WO-US023089.

PR 30-NOV-1999; 99WO-US028214.

PR 30-NOV-1999; 99WO-US028313.

PR 01-DEC-1999; 99WO-US028409.

PR 01-DEC-1999; 99WO-US028301.

PR 02-DEC-1999; 99WO-US028634.

PR 02-DEC-1999; 99WO-US028551.

PR 02-DEC-1999; 99WO-US028554.

PR 16-DEC-1999; 99WO-US028565.

PR 20-DEC-1999; 99WO-US030095.

PR 20-DEC-1999; 99WO-US030911.

PR 20-DEC-1999; 99W0-US030999.
 PR 22-DEC-1999; 99W0-US030720.
 PR 30-DEC-1999; 99W0-US031243.
 PR 30-DEC-1999; 99W0-US031274.
 PR 05-JAN-2000; 2000W0-US000219.
 PR 06-JAN-2000; 2000W0-US000277.
 PR 06-JAN-2000; 2000W0-US000376.
 PR 11-FEB-2000; 2000W0-US000365.
 PR 18-FEB-2000; 2000W0-US000431.
 PR 18-FEB-2000; 2000W0-US000432.
 PR 22-FEB-2000; 2000W0-US000414.
 PR 24-FEB-2000; 2000W0-US000491.
 PR 24-FEB-2000; 2000W0-US005004.
 PR 01-MAR-2000; 2000W0-US005601.
 PR 02-MAR-2000; 2000W0-US005746.
 PR 02-MAR-2000; 2000W0-US005841.
 PR 10-MAR-2000; 2000W0-US006319.
 PR 15-MAR-2000; 2000W0-US006884.
 PR 20-MAR-2000; 2000W0-US007377.
 PR 21-MAR-2000; 2000W0-US007532.
 PR 30-MAR-2000; 2000W0-US008439.
 PR 17-MAY-2000; 2000W0-US013705.
 PR 22-MAY-2000; 2000W0-US014042.
 PR 30-MAY-2000; 2000W0-US014941.
 PR 02-JUN-2000; 2000W0-US015264.
 PR 28-JUL-2000; 2000W0-US020710.
 PR 11-AUG-2000; 2000W0-US022031.
 PR 23-AUG-2000; 2000W0-US023522.
 PR 24-AUG-2000; 2000W0-US023328.
 PR 08-NOV-2000; 2000W0-US030952.
 PR 10-NOV-2000; 2000W0-US030873.
 PR 01-DEC-2000; 2000W0-US032678.
 PR 20-DEC-2000; 2000W0-US047259.
 PR 20-DEC-2000; 2000W0-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001W0-US006520.
 PR 01-MAR-2001; 2001W0-US006666.
 PR 09-MAR-2001; 2001US-00808706.
 PR 14-MAR-2001; 2001US-00808689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001W0-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001W0-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001W0-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 23-JUN-2001; 2001W0-US020116.
 PR 29-JUN-2001; 2001W0-US021066.
 PR 09-JUL-2001; 2001W0-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 PR XX
 PA (GENTH) GENENTECH INC.
 XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W,
 PI Gortlisen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX WPI, 2003-584997/55.
 DR N-PSDB; ADA45668.
 XX Novel secreted and transmembrane polypeptide for modulating biological

PT activity of cell expressing the polypeptide, identifying agonists or
 PT antagonists of polypeptide, and as molecular weight markers.
 PS Claim 12; Fig 150; 659pp; English.
 XX
 CC The invention describes 305 nucleic acids encoding PRO (secreted and
 CC transmembrane) polypeptides (I). (I) is useful for stimulating the
 CC release of TNF-alpha from human blood, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating the proliferation or differentiation of chondrocyte cells,
 CC for stimulating the proliferation of or gene expression in pericyte
 CC cells, for stimulating the release of proteoglycans from cartilage, for
 CC stimulating the proliferation of inner ear utricular supporting cells,
 CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
 CC the release of a cytokine from PBMC cells, for inhibiting the binding of
 CC A-peptide to factor VIIa, for inhibiting the differentiation of adipocyte
 CC cells, for stimulating proliferation of endothelial cells, for detecting
 CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
 CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
 CC are useful for isolating genomic and cDNA nucleotide sequences or
 CC antisense probes. (II) is also useful as therapeutic agent. PRO is useful
 CC in assays to identify other proteins or molecules involved in binding
 CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
 CC and gene mapping, in generation of antisense RNA and DNA, in the
 CC preparation of PRO polypeptide, for generating transgenic animals or
 CC knockout animals which in turn are useful in the development and
 CC screening of therapeutically useful reagents, in gene therapy, for
 CC chromosome identification, as chromosome marker, and for generating
 CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
 CC detecting its expression in specific cells, tissues or serum, and for
 CC affinity purification of PRO from recombinant cell culture or natural
 CC sources. (I) and (II) are useful for tissue typing. This is the amino
 CC acid sequence of a novel human secreted and transmembrane PRO
 CC polypeptide.
 CC XX
 SO Sequence 81 AA;
 Query Match 100.0%; Score 326; DB 6; Length 81;
 Best Local Similarity 100.0%; Pred. No. 6, 3e-33;
 Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Oy 1 KRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHRLCKPCGLAEPPELWVVPALPOV 57
 Db 25 KRRPAKAMSGRRTRLCCHRVSPNSTNLKGHHRLCKPCGLAEPPELWVVPALPOV 81
 RESULT 15
 ID ADA76100 standard; protein; 81 AA.
 AC ADA76100;
 XX
 DT 20-NOV-2003 (first entry)
 XX
 DE Human PRO polypeptide #75.
 XX
 KM Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KM tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KM cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KM liver; microvascular endothelial cell; glucose; FFA;
 KM skeletal muscle cell; adipocyte cell; pericyte cell;
 KM inner ear utricular supporting cell; T-lymphocyte cell;
 KM endothelial cell tube formation; bone disorder; cartilage disorder;
 KM sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KM rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
 KM immune system cell infiltration.
 OS Homo sapiens.
 XX
 PN US2003073212-A1.
 XX
 PD 17-APR-2003.
 XX

PF 16-APR-2002; 2002US-00123903.
 XX
 PR 31-MAR-1997; 97WO-US005230.
 PR 12-JUN-1998; 98WO-US012456.
 PR 14-JUL-1998; 98WO-US014552.
 PR 28-AUG-1998; 98WO-US017888.
 PR 10-SEP-1998; 98WO-US018824.
 PR 14-SEP-1998; 98WO-US019093.
 PR 14-SEP-1998; 98WO-US019094.
 PR 14-SEP-1998; 98WO-US019177.
 PR 16-SEP-1998; 98WO-US019330.
 PR 17-SEP-1998; 98WO-US019437.
 PR 07-OCT-1998; 98WO-US021141.
 PR 29-OCT-1998; 98WO-US022991.
 PR 29-OCT-1998; 98WO-US022992.
 PR 20-NOV-1998; 98WO-US024855.
 PR 01-DEC-1998; 98WO-US025108.
 PR 05-JAN-1999; 99WO-US000106.
 PR 08-MAR-1999; 99WO-US005028.
 PR 10-MAR-1999; 99WO-US005190.
 PR 20-APR-1999; 99WO-US008615.
 PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US012252.
 PR 01-SEP-1999; 99WO-US020111.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020944.
 PR 15-SEP-1999; 99WO-US021090.
 PR 15-SEP-1999; 99WO-US021547.
 PR 05-OCT-1999; 99WO-US023089.
 PR 29-NOV-1999; 99WO-US028214.
 PR 30-NOV-1999; 99WO-US028313.
 PR 30-NOV-1999; 99WO-US028409.
 PR 01-DEC-1999; 99WO-US028301.
 PR 01-DEC-1999; 99WO-US028634.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028564.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
 PR 20-DEC-1999; 99WO-US030911.
 PR 20-DEC-1999; 99WO-US030999.
 PR 22-DEC-1999; 99WO-US030720.
 PR 30-DEC-1999; 99WO-US031243.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 18-FEB-2000; 2000WO-US004342.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US004914.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005746.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 10-MAR-2000; 2000WO-US006319.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00741259.
 PR 20-DEC-2000; 2000WO-US034956.

PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006656.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00808689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 PA (GENTH) GENENTECH INC.
 XX
 PI Baker KP, Beresini M, DeForge L, Desnoyers L, Flyvareff B, Gao W,
 PI Gertlesen ME, Goddard A, Godowski PJ, Gunney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WJ, Zhang Z;
 XX
 DR WPI; 2003-687639/65.
 DR N-PSDB; ADA76099.
 XX
 PT New isolated nucleic acid encoding a secreted and transmembrane
 PT polypeptide, designated e.g. PRO1114 or PRO4978, useful in chromosome and
 PT gene mapping, in generating antisense RNA and DNA, and in gene therapy.
 XX
 PS Claim 12; Fig 150; 659pp; English.
 XX
 CC The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knock-out animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a
 CC medicament for treating a condition responsive to the polypeptides or
 CC antibodies, such as tumours, for stimulating and inhibiting proliferation
 CC of human microvascular endothelial cells, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating differentiation of adipocyte cells, for stimulating
 CC proliferation of or gene expression in pericyte cells, for stimulating
 CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
 CC cells, for inducing endothelial cell tube formation and for treating
 CC various bone and/or cartilage disorders such as sports injuries and
 CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
 CC from cartilage are useful for treating sports-related joint problems, PRO
 CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
 CC polypeptides are also useful for treating various mammalian haemoglobin-
 CC associated disorders such as various thalassemias and conditions which

CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.

XX Sequence 81 AA;

Query Match 100.0%; Score 326; DB 6; Length 81;

Best Local Similarity 100.0%; Pred. No. 6.3e-33;

Matches 57; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KRRPAKAMSGRRTRLCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRILMVVPGALPOV 57

Db 25 KRRPAKAMSGRRTRLCHRVSPNSNTNLKGHHVRLCKPCKLEPEPRILMVVPGALPOV 81

Search completed: May 3, 2005, 20:58:38
Job time : 54.1087 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 3, 2005, 20:38:54 ; Search time 11.9783 Seconds

(without alignments)
457.859 Million cell updates/sec

Title: US-09-724-000A-6

Perfect score: 336

Sequence: 1 KRPRKAKWSGRRTLCGRV.....PCKLEPRLMVPALPQV 57

Scoring table: BIOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 283416 seqs, 96216763 residues

Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: PIR 79:*
2: p1r1:*
3: p1r3:*
4: p1r4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	62	19.0	586	2 S59301	homothallic switch
2	60.5	18.6	862	2 A49583	differentiation an
3	60.5	18.6	868	2 A46512	CD22 homolog/B lym
4	59.5	18.3	287	2 A11072	conserved hypochet
5	59.5	18.3	1172	2 A42587	thrombospondin 2 p
6	59	18.1	537	2 D86289	hypothetical prote
7	58.5	17.9	616	2 A40595	methylnalonyl-CoA
8	58.5	17.9	782	2 A48746	semaphorin C - mou
9	58	17.8	248	1 QOBBIR	BXRPI (EC-RF) pro
10	58	17.8	444	2 H82768	exodeoxyribonuclea
11	58	17.8	461	2 A82230	hypothetical prote
12	58	17.8	586	2 JC2407	hypothetical switch
13	57.5	17.6	458	2 B64566	biotin carboxylase
14	57.5	17.6	889	1 S47162	DNA-directed RNA p
15	57.5	17.6	919	2 T32541	unc-5 protein - Ca
16	57.5	17.6	947	1 B44294	unc-5 protein, lon
17	57	17.5	197	2 AE2905	2'-5' RNA ligase 1
18	57	17.5	212	2 P93680	hypothetical 35.7k
19	57	17.5	472	2 T03169	probable glycoprot
20	56.5	17.3	514	2 S48730	Cry j II protein -
21	56.5	17.3	514	2 JIC2498	second major aller
22	56.5	17.3	878	2 T17245	hypothetical prote
23	56.5	17.3	1338	2 S09982	protein-tyrosine k
24	56	17.2	100	2 A82730	hypothetical prote
25	56	17.2	150	2 T17314	hypothetical prote
26	56	17.2	261	2 JQ0137	hypothetical 30.1k
27	56	17.2	380	2 G85058	hypothetical prote
28	56	17.2	477	2 T47753	hypothetical prote
29	56	17.2	494	2 S67166	PAC1 protein - yea

30	56	17.2	515	2 S59811	vacuolar segregati
31	56	17.2	665	2 S64749	probable membrane
32	56	17.2	671	2 A35912	homeotic protein o
33	56	17.2	1330	2 S49010	embryonic receptor
34	56	17.2	1361	2 C71403	hypothetical 15.1k
35	56	17.2	1411	2 T48529	hypothetical prote
36	55.5	17.0	455	2 G71860	biotin carboxylase
37	55.5	17.0	657	2 B84869	probable SF16 prot
38	55.5	17.0	668	2 T13931	projectin - fruit
39	55	16.9	391	2 I50702	transcription fact
40	55	16.9	451	2 A83145	UDP-N-acetylmurama
41	55	16.9	553	2 H82189	iron-sulfur cluste
42	54.5	16.7	111	2 G69168	conserved hypochet
43	54.5	16.7	225	2 S45356	probable serine pr
44	54.5	16.7	382	2 AC2328	hypothetical prote
45	54	16.6	130	2 F64950	flagellar protein

ALIGNMENTS

RESULT 1
S59301
homothallic switching endonuclease - Yeast (Saccharomyces cerevisiae)
N.Alternate names: HO endonuclease; homothallic protein; protein D0827; protein YDL227
C.Species: Saccharomyces cerevisiae
C.Date: 08-Jul-1995 #sequence revision 01-Dec-1995 #text_change 09-Jul-2004
C.Accession: S59301; A25390; S67790
R.Raveh, D.
submitted to the EMBL Data Library, August 1995
A.Reference number: S59301
A.Accession: S59301
A.Molecule type: DNA
A.Residues: 1-586 <RAV>
A.Cross-references: UNIPROT:P09932; EMBL:X09057; NID:G984693; PIDD:CA62447.1; PIDD:G984694
R.Russell, D.W.; Jensen, R.; Zoller, M.J.; Burke, J.; Errede, B.; Smith, M.; Herskowitz
Mol. Cell. Biol. 6, 4281-4294, 1986
A.Title: Structure of the Saccharomyces cerevisiae HO gene and analysis of its upstream
A.Reference number: A25390; MUID:87089786; PMID:3025649
A.Accession: A25390
A.Molecule type: DNA
A.Residues: 1-188, 'T', '190-222', 'G', '224-404', 'L', '406-474', 'H', '476-586 <RUS>
A.Cross-references: EMBL:M14678; NID:G171697; PIDD:AAA34683.1; PIDD:G171698
R.Ramussen, S.W.
submitted to the Protein Sequence Database, July 1996
A.Reference number: S67790
A.Accession: S67790
A.Molecule type: DNA
A.Residues: 1-586 <RAS>
A.Cross-references: EMBL:Z74275; NID:G1431382; PIDD:CAA98806.1; PIDD:e253273; PIDD:G143133
A.Experimental source: strain S288C
C.Genetics:
A.Gene: SGD:HO
A.Cross-references: SGD:S0002386; MIPS:YDL227C
A.Map position: 4L
C.Function:
A.Description: site-specific endonuclease that cleaves a site in the MAT locus on chrom
C.Keywords: DNA binding; nucleus; zinc finger

Query Match 19.0%; Score 62; DB 2; Length 586;
Best Local Similarity 31.7%; Pred. NO. 17;
Matches 20; Conservative 4; Mismatches 17; Indels 22; Gaps 5;

QY 6 KANSGRRTLC--CHRVSPNSTLKGHVRLCCKPCKLEBP-----LWVVP 52
Db 499 KDNMG-KNRVCACY-----GRYKFSGH--CINCKYVEARVKKAKOKGKGLGTPE 549

QY 53 ALP 55
Db 550 GLP 552

RESULT 2

```

149583 differentiation antigen - mouse
C:Species: Mus musculus (house mouse)
C>Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 09-Jul-2004
C:Accession: I49583
R:Law, C.
J: Immunol. 151, 175-187, 1993
A>Title: Organization of the murine Cd22 locus. Mapping to chromosome 7 and characterization of the murine CD22 gene.
A:Reference number: I49583; MUID:9315834; PMID:8100843
A:Accession: I49583
A:Molecule type: mRNA
A>Status: preliminary; translated from GB/EMBL/DDBJ
A:Cross-references: UNIPROT:P35329; GB:L16928; NID:9348965; PIDN:AAA02562.1; PID:9348966
C:Genetics:
A:Gene: CD22

Query Match      18.6%; Score 60.5; DB 2; Length 862;
Best Local Similarity 29.6%; Pred. No. 37;
Matches 16; Conservative 11; Mismatches 20; Indels 7; Gaps 2;

Oy 4 PAKWAGRRRLCCHRVSPNSTNLKGHHVLCCKPCKEPEPRRLTWVGALPOV 57
Db 355 PSPAEQGQSVELICESIASPATWTYTHNR--KPIPDGTOKL-----RIPKV 401

RESULT 3
A46512
CD22 homolog/B lymphocyte-restricted adhesion molecule - mouse
C:Species: Mus musculus (house mouse)
C>Date: 18-Jun-1993 #sequence_revision 18-Nov-1994 #text_change 11-Apr-1995
C:Accession: A46512
J:Torres, R.M.; Law, C.L.; Santos-Argumedo, L.; Kirkham, P.A.; Grabstein, K.; Parkhouse, J.
Immunol. 149, 2641-2649, 1992
A>Title: Identification and characterization of the murine homologue of CD22, a B lymphoid surface marker.
A:Reference number: A46512; MUID:93017867; PMID:1401903
A:Accession: A46512
A>Status: preliminary; not compared with conceptual translation
A:Molecule type: nucleic acid
A:Residues: 1-868 <TOR>
A:Note: sequence extracted from NCBI Backbone (NCBIP:116156)

Query Match      18.6%; Score 60.5; DB 2; Length 868;
Best Local Similarity 29.6%; Pred. No. 37;
Matches 16; Conservative 11; Mismatches 20; Indels 7; Gaps 2;

Oy 4 PAKWAGRRRLCCHRVSPNSTNLKGHHVLCCKPCKEPEPRRLTWVGALPOV 57
Db 361 PSPAEQGQSVELICESIASPATWTYTHNR--KPIPDGTOKL-----RIPKV 407

RESULT 4
A11072
Conserved hypothetical protein STY4916 [imported] - Salmonella enterica subsp. enterica
C:Species: Salmonella enterica subsp. enterica serovar Typhi
A>Note: this species has also been called Salmonella typhi.
C>Date: 09-Nov-2001 #sequence_revision 09-Nov-2001 #text_change 17-Mar-2003
C:Accession: A11072
J:Parkhill, J.; Dougan, G.; James, K.D.; Thomson, N.R.; Pickard, D.; Wain, J.; Churcher, T.; Connor, P.; Cronin, A.; Davis, P.; Davies, R.M.; Dowd, L.; White, N.; Farrar, S.; Moule, S.; O'Garra, P.
Nature 413, 848-852, 2001
A:Authors: Parry, C.; Quail, M.; Rutherford, K.; Simmonds, M.; Skelton, J.; Stevens, K.;
A>Title: Complete genome sequence of a multiple drug resistant Salmonella enterica serov.
A:Reference number: AB0502; MUID:21534947; PMID:11677608
A:Accession: A11072
A>Status: preliminary
A:Molecule type: DNA
A:Residues: 1-287 <PAR>
A:Cross-references: GB:AL513382; PIDN:CAD03400.1; PID:g16505669; GSPDB:GN00176
C:Genetics:
A:Gene: STY4916
```

```
C:Superfamily: pyruvate formate-lyase 2 activating enzyme; ferredoxin [2(Fe-4S)] homology

Query Match      18.3%; Score 59.5; DB 2; Length 287;
Beet Local Similarity 34.0%; Pred. No. 17;
Matches 16; Conservative 7; Mismatches 19; Indels 5; Gaps 2;

Oy      6 KAMSGRRRLCCHRVSPNSSTNLKGHHVRLCKRCKLEPERLWVPVG 52
        ||| | | | | | | | | | | | | | | | | | | | | | | |
Db      176 KAMKSE----CHHRLTGRDNTHTIK-HSIRFLAARGKLAEURLLVIPG 217

RESULT 5
A42587
Chromospondin 2 precursor - mouse
C:Species: Mus musculus (house mouse)
C:Date: 04-Mar-1993 #sequence_revision 18-Nov-1994 #text_change 09-Jul-2004
C:Accession: A42587; A39851
R:Laberty, C.D.; O'Rourke, K.; Wolf, F.W.; Katz, R.; Seldin, M.F.; Dixit, V.M.
J. Biol. Chem. 267, 3274-3281, 1992
A>Title: Characterization of mouse chromospondin 2 sequence and expression during cell
A:Reference number: A42587; WUID:92147683; PMID:1371115
A:Accession: A42587
A>Status: preliminary; not compared with conceptual translation
A:Molecule type: nucleic acid
A:Residues: 1-1172 <LMA>
A:Cross-references: UNIPROT:Q03350; GB:I07803; GB:M87275; NID:g340421; PIDN:AAA53064.1;
A>Note: sequence extracted from NCBI backbone (NCBIF:81502)
R:Bornstein, P.; O'Rourke, K.; Wikstrom, K.; Wolf, F.W.; Katz, R.; Li, P.; Dixit, V.M.
J. Biol. Chem. 266, 12821-12824, 1991
A>Title: A second, expressed chromospondin gene (thbz2) exists in the mouse genome.
A:Reference number: A39851; WUID:91302287; PMID:1712771
A:Accession: A39851
A>Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-873 <BOR>
A:Cross-references: GB:M64866; NID:g201994; PIDN:AAA40432.1; PID:g201995
C:Superfamily: Chromospondin 1; EGF homology; chromospondin type 1 repeat homology; v
C:Keywords: calcium binding; glycoprotein
F:319-377/Domains: von Willebrand factor type C repeat homology <WVC>
F:380-431/Domains: chromospondin type 1 repeat homology <THR1>
F:436-497/Domains: chromospondin type 1 repeat homology <THR2>
F:493-549/Domains: chromospondin type 1 repeat homology <THR3>
F:553-588/Domains: EGF homology <EGF1>
F:652-691/Domains: EGF homology <EGF>

Query Match      18.3%; Score 59.5; DB 2; Length 1172;
Beet Local Similarity 44.1%; Pred. No. 63;
Matches 15; Conservative 2; Mismatches 16; Indels 1; Gaps 1;

Oy      12 RTRLCCHRVSPNSTNLKGHHVRLCKRCKLEPBP 45
        ||| | | | | | | | | | | | | | | | | | | | | | | |
Db      460 RRLCNPSVPQMGKKCKGSG-RETRPCQRDPGP 492

RESULT 6
DB6299
Hypothetical protein F309.21 - Arabidopsis thaliana
C:Species: Arabidopsis thaliana (mouse-ear cress)
C:Date: 02-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004
C:Accession: D86299
R:Theologis, A.; Eckert, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso,
Chen, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.
Annu. N.Y. Acad. Sci. 816-820, 2000
Nature 408, 616-620, 2000
A:Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C.
C.A.; Li, J.H.; Li, Y.; Lin, X.; Liu, S.X.; Liu, Z.A.; Lutros, J.S.; Maitz, R.; Marziali
Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.
A:Authors: Salzberg, S.L.; Schwartz, J.R.; Shim, P.; Southwick, A.M.; Sun, H.; Tallon,
ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.
A>Title: Sequence and analysis of chromosome 1 of the plant Arabidopsis.
A:Reference number: AB6141; WUID:21016719; PMID:11130712
A:Accession: D86299
A>Status: preliminary
```

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 3, 2005, 19:33:19 ; Search time 42.1304 Seconds

(without alignments)
692.813 Million cell updates/sec

Title: US-09-724-000A-6

Perfect score: 326

Sequence: 1 KRPPAKAWSGRRRLCCHRV.....PCKLEPPRLWVVGALPQV 57

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1612378 seqs, 512079187 residues

Total number of hits satisfying chosen parameters: 1612378

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

UniProt_03.*

1: uniprot_sprot.*

2: uniprot_trembl.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	326	100.0	81	2	OGUWK7
2	72	22.1	173	2	OGIGR7
3	72	22.1	688	2	Q7XUH2
4	72	22.1	763	2	Q9F078
5	72	22.1	763	2	Q9LGD6
6	72	22.1	763	2	Q9LW12
7	72	22.1	806	2	Q9LW12
8	69	21.2	86	2	Q9N0D5
9	66.5	20.4	2307	2	Q871Z6
10	66	20.2	315	2	Q6K9R9
11	65.5	19.1	714	2	P70593
12	64.5	19.8	817	2	Q9AN48
13	64	19.6	291	2	Q75H76
14	63	19.3	217	2	Q8NDQ0
15	63	19.3	336	2	Q7T316
16	63	19.3	864	2	Q9LW12
17	62.5	19.2	434	2	Q750V5
18	62.5	19.2	1007	1	ROBA_HUMAN
19	62	19.0	536	2	Q6J5F0
20	62	19.0	586	1	HO_YEAST
21	62	19.0	586	2	Q8U2S8
22	62	19.0	586	2	Q9P984
23	62	19.0	586	2	Q9P985
24	62	19.0	586	2	Q9P986
25	62	19.0	785	2	Q8VK17
26	62	19.0	785	2	Q75GM7
27	62	19.0	812	2	Q989W6
28	61.5	18.9	90	2	Q8USN7
29	61	18.7	94	2	Q8ULR1
30	61	18.7	442	2	Q88L92
31	61	18.7	491	2	Q8TEK5

32	61	18.7	1091	2	Q8IVG0	Q8IVG0 homo sapien
33	60.5	18.6	97	2	Q8IP17	Q8IP17 drosophila
34	60.5	18.6	215	2	Q700W8	Q700W8 human immun
35	60.5	18.6	862	1	CD22_MOUSE	P35329 mus musculus
36	60.5	18.6	3374	2	Q8QLE4	Q8QLE4 modoc virus
37	60	18.4	538	2	Q7UXP3	Q7UXP3 rhodopirell
38	60	18.4	870	2	Q8WZM3	Q8WZM3 neurospora
39	59.5	18.3	287	2	Q8Z0U5	Q8Z0U5 salmoneilla
40	59.5	18.3	287	2	Q8Z0U5	Q8Z0U5 salmoneilla
41	59.5	18.3	386	2	Q9ARS6	Q9ARS6 oryza sativ
42	59.5	18.3	484	2	Q7NIW3	Q7NIW3 gloebacter
43	59.5	18.3	759	1	PIGQ_HUMAN	Q9B193 homo sapien
44	59.5	18.3	1172	1	TSP2_MOUSE	Q03350 mus musculus
45	59.5	18.3	1172	2	Q7TWT3	Q7TWT3 mus musculus

ALIGNMENTS

RESULT 1	
OGUWK7	PRELIMINARY; PRT; 81 AA.
AC	OGUWK7;
DT	05-JUL-2004 (TREMBLrel. 27, Created)
DT	05-JUL-2004 (TREMBLrel. 27, Last sequence update)
DT	05-JUL-2004 (TREMBLrel. 27, Last annotation update)
DE	RUIV1833.
GN	ORFNames=ONQ1833;
OS	Homo sapiens (Human).
OC	Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC	Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
OX	NCBI_TaxID=9606;
RN	[1]
RP	SEQUENCE FROM N.A.
RX	MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;
RA	Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J.,
RA	Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,
RA	Barton D., Foster J., Grimaldi C., Gu O., Hass P.E., Heldens S.,
RA	Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,
RA	Lewis L., Liao D., Mark M., Robble E., Sanchez C., Schoenfeld J.,
RA	Seehagiri S., Simons L., Singh J., Smith V., Stinson J., Vagts A.,
RA	Vandlen R., Watanabe C., Wleand D., Woods K., Xie M.H., Yansura D.,
RA	Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I.,
RA	Godowski P.
RT	"The secreted protein discovery initiative (SPDI), a large-scale
RT	effort to identify novel human secreted and transmembrane proteins: a
RT	bioinformatics assessment."
RL	Genome Res. 13:2265-2270(2003).
DR	EMBL: AY358751; AAC89111.1; -
SQ	SEQUENCE 81 AA; 9173 MW; 276E720364160B8A CRC64;
Query Match	100.0%; Score 326; DB 2; Length 81;
Best Local Similarity	100.0%; Pred. No. 4.6e-32;
Matches 57; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
Qy	1 KRPPAKAWSGRRRLCCHRVPSNSTLKGHHVRLCKPCLEPPRLWVVGALPQV 57
Db	25 KRPPAKAWSGRRRLCCHRVPSNSTLKGHHVRLCKPCLEPPRLWVVGALPQV 81
RESULT 2	
OGIGR7	PRELIMINARY; PRT; 173 AA.
ID	OGIGR7;
AC	OGIGR7;
DT	05-JUL-2004 (TREMBLrel. 27, Created)
DT	05-JUL-2004 (TREMBLrel. 27, Last sequence update)
DT	05-JUL-2004 (TREMBLrel. 27, Last annotation update)
DE	HDC05573.
GN	ORFNames=HDC05573;
OS	Drosophila melanogaster (Fruit fly).
OC	Eukaryota; Metazoa; Arthropoda; Insecta; Pterygota;
OC	Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC	Ephydroidea; Drosophilidae; Drosophila.

```
OX NCBI_TaxID=17227;
RN [1]
RP SEQUENCE FROM N.A.
RX PubMed=14709175; DOI=10.1186/gb-2003-5-1-r3;
RA Hild M., Beckmann B., Haas S., Koch B., Solovjev V., Busold C.,
RA Fellenberg K., Boutros M., Vingron M., Sauer F., Hohenel J., Paro R.;
RT "An integrated gene annotation and transcriptional profiling approach
RT towards the full gene content of the Drosophila genome.";
RL Genome Biol. 5:R3-R3(2003).
CC -!- MISCELLANEOUS: The sequence shown here is derived from an
CC EMBL/GenBank/DBJ third party annotation (TPA) entry.
DR EMBL; BK003699; DAA02397.1; -.
SQ SEQUENCE 173 AA; 19130 MW; 0696575472787C4C CRC64;

Query Match 22.1%; Score 72; DB 2; Length 173;
Best Local Similarity 31.6%; Pred. NO. 0.89; Mismatches 16; Indels 30; Gaps 5;
Matches 24; Conservative 6;

QY 8 WSGR-----RTRL--CCHRP-----SPNSTN--LKQGH-----VRLCK 37
Db 2 WVGKALSAFPLFRTMQVNRTPRIKLAPOSTNAVIKRHPAPQALRSSGTEMLNG 61
QY 38 PCKLPEPRLWVPGA 53
Db 62 PCKSTPDPOKVVGGA 77

RESULT 3
Q7XUH2 PRELIMINARY; PRT; 688 AA.
AC Q7XUH2;
DT 01-OCT-2003 (TrEMBLrel. 25, Created)
DT 01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
DT 01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE OSUNBA0020J04.10 protein.
GN Oryza sativa (Japonica cultivar-group).
OS Oryza sativa (Japonica cultivar-group).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
OC Ehrhartoideae; Oryzaceae; Oryza.
NCBI_TaxID=39947;
OX [1]
RP SEQUENCE FROM N.A.
RX PubMed=12447439; DOI=10.1038/nature01183;
RA Pang Q., Zhang Y., Hao P., Wang S., Fu G., Huang Y., Li Y., Zhu J.,
RA Liu Y., Hu X., Jia P., Zhang Y., Zhao Q., Ying K., Yu S., Tang Y.,
RA Weng Q., Zhang L., Lu Y., Mu Y., Lu Y., Zhang L.S., Yu Z., Fan D.,
RA Liu X., Lu T., Li C., Wu Y., Sun T., Lei H., Li T., Hu H., Guan J.,
RA Wu M., Zhang R., Zhou B., Chen Z., Chen L., Jin Z., Wang R., Yin H.,
RA Cai Z., Ren S., Lv G., Gu W., Zhu G., Tu Y., Jia J., Zhang Y.,
RA Chen J., Kang H., Chen X., Shao C., Sun Y., Hu Q., Zhang X., Zhang W.,
RA Wang L., Ding C., Sheng H., Gu J., Chen S., Ni L., Zhu F., Chen W.,
RA Lan L., Lai Y., Cheng Z., Gu W., Jiang J., Li J., Hong G., Xue Y.,
RA Han B.;
RT "Sequence and analysis of rice chromosome 4.";
RL Nature 420:316-320(2002).
DR EMBL; AL606639; CAD41305.2; -.
DR Gramene; Q7XUH2; -.
QY GO:0003677; F:DNA binding; IEA.
DR GO:0046983; F:protein dimerization activity; IEA.
DR InterPro; IPR003656; BED_finger.
DR InterPro; IPR000345; CytC_heme_BS.
DR InterPro; IPR008906; HATC.
DR Pfam; PF05699; hATC; 1.
DR Pfam; PF02892; zf-BED; 1.
DR SMART; SM00614; Znf-BED; 1.
DR PROSITE; PS00190; CYTOCHROME_C; UNKNOWN_1.
DR PROSITE; PS50808; ZF-BED; 1.
SQ SEQUENCE 688 AA; 76506 MW; DDCF68214BFIE17 CRC64;

Query Match 22.1%; Score 72; DB 2; Length 688;
Best Local Similarity 31.1%; Pred. NO. 3.7; Mismatches 8; Indels 26; Gaps 5;
Matches 23; Conservative 8;
```

```
QY 1 KRRPAKAW-----SGRRTRL---C--CHRVSPNSTNLKQH---HVRLCRCKLE 42
Db 71 KTKTSKWDPDFELXYETTINGNRVRFACKNYCHKTLSSARSSAGTGLRLRHISCKRKLG 130
QY 43 PEPRLWVVGALPQ 56
Db 131 -----SNALPQ 136

RESULT 4
Q9FU78 PRELIMINARY; PRT; 763 AA.
ID Q9FU78;
AC Q9FU78;
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
DE Putative Tam3 transposase.
DE Name=P0019D06.25; Synonyms=P0024G09.13;
GN Oryza sativa (Japonica cultivar-group).
OS Oryza sativa (Japonica cultivar-group).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
OC Ehrhartoideae; Oryzaceae; Oryza.
NCBI_TaxID=39947;
OX [1]
RP SEQUENCE FROM N.A.
RX PubMed=12447438; DOI=10.1038/nature01184;
RA Sasaki T., Matsumoto T., Yamamoto K., Sakata K., Baba T., Katayose Y.,
RA Wu J., Nilmura Y., Cheng Z., Nagamura Y., Antonio B.A., Kanamori H.,
RA Hosokawa S., Masukawa M., Arikawa K., Chiden Y., Hayaishi M.,
RA Okamoto M., Ando T., Aoki H., Arita K., Hamada M., Harada C.,
RA Hijiwata S., Honda M., Ichikawa Y., Idojima A., Iijima M., Ikeda M.,
RA Ikono M., Itoh S., Itoh T., Itoh Y., Itoh Y., Iwabuchi A., Kamiya K.,
RA Karsawa W., Katagiri T., Kikuta A., Kobayashi N., Kono I.,
RA Machita K., Maehara T., Mizuno H., Mizubayashi T., Mukai Y.,
RA Nagasaki H., Nakashima M., Nakama Y., Nakamichi Y., Nakamura M.,
RA Namiki N., Negishi M., Ohta I., Ono N., Saji S., Sakai K., Shibata M.,
RA Shimokawa T., Shomura A., Song J., Takazaki Y., Terasawa K., Tsuji K.,
RA Waki K., Yamagata H., Yamane H., Yoshiki S., Yoshihara R., Yokawa K.,
RA Zhong H., Iwama H., Endo T., Ito H., Hahn J.H., Kim H.I., Eun M.Y.,
RA Yano M., Jiang J., Gojobori T.;
RT "The genome sequence and structure of rice chromosome 1.";
RL Nature 420:312-316(2002).
DR EMBL; AP002483; BAB16466.1; -.
DR EMBL; AP003311; BAB40121.1; -.
DR Gramene; Q9FU78; -.
QY GO:0003677; F:DNA binding; IEA.
DR GO:0046983; F:protein dimerization activity; IEA.
DR InterPro; IPR003656; BED_finger.
DR InterPro; IPR000345; CytC_heme_BS.
DR InterPro; IPR008906; HATC.
DR Pfam; PF05699; hATC; 1.
DR Pfam; PF02892; zf-BED; 1.
DR SMART; SM00614; Znf-BED; 1.
DR PROSITE; PS00190; CYTOCHROME_C; UNKNOWN_1.
DR PROSITE; PS50808; ZF-BED; 1.
SQ SEQUENCE 763 AA; 84214 MW; 13FE68993BF042F CRC64;

Query Match 22.1%; Score 72; DB 2; Length 763;
Best Local Similarity 31.1%; Pred. NO. 4.1; Mismatches 8; Indels 26; Gaps 5;
Matches 23; Conservative 8;

QY 1 KRRPAKAW-----SGRRTRL---C--CHRVSPNSTNLKQH---HVRLCRCKLE 42
Db 71 KTKTSKWDPDFELXYETTINGNRVRFACKNYCHKTLSSARSSAGTGLRLRHISCKRKLG 130
QY 43 PEPRLWVVGALPQ 56
Db 131 -----SNALPQ 136

RESULT 5
Q9LGD6
```